

State Data Center Cost Allocation Plan Fiscal Year 2014



Introduction (A)

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



Contents

The details of the cost allocation plan and resulting billing rates are presented in sections A through G. In summary these are:

- Introduction (Section A) – CAP methodology, and explanation of terms.
- Budget Summary (Section B) - Summarized anticipated expenditures for personnel and operating expenses for the SDC.
- Budget Detail (Section C) - Itemized estimated expenditures for the SDC. Yearly salaries by position, fringe benefits, and itemized expense and equipment by cost center are identified and totaled to arrive at the total SDC operating budget.
- Utilization Estimates by Customer (Section D) - estimated utilization for each service available by customer.
- Billing Rate Derivation (Section E) - Itemized list of costs allocated to a specific service and the rate calculation for that service.
- Cost Estimates by Customer (Section F) - Estimated billings for each customer based on the customer's estimated utilization and the rate.
- Rate Comparison (Section G) - Comparison of the current rates to the rates for the past four years.

State Data Center Cost Allocation Plan Fiscal Year 2014



Cost Allocation Method

A cost-based development method was employed in establishing billing rates. The benefits of this cost based method are two. First, it is a full-cost recovery process. That is, both direct and indirect costs are included, which minimizes the potential problem of under/over recovery of the SDC's total budgeted costs. Second, each customer is treated in an equitable manner. That is, the rate is based upon the amount of resources used.

This method requires the development of a cost allocation plan which is accomplished through the execution of the following work steps.

1. Determine rate category for services provided - the types of customer services provided by the SDC are identified and approved by the Chief Information Officer (CIO).
2. Establish units of service - the unit of service used to measure the volume of service provided for each service type is established based on three major criteria:
 - a. relationship to the function performed
 - b. measurability
 - c. controllability by the customer
3. Compile customer estimated utilization - the estimated utilization by customer for each service provided is compiled. The individual estimates are then totaled to develop the basis for computation of the billing rate.

NOTE: Utilizations for FY13 were used as a basis for developing the FY14 estimates.

4. Identify types of cost - two basic types of cost are identified, allocated direct and allocated indirect. Allocated direct costs are those personnel and expense and equipment costs that can be directly identified with providing a type of service. Allocated indirect costs are related support costs that cannot be directly identified with providing a specific type of service.
5. Determine allocated direct costs - budgeted personnel and expense and equipment costs that can be directly identified with providing a specific type of service are accumulated to determine total allocated direct costs by type of service.
6. Determine allocated indirect costs - budgeted costs identified as allocated indirectly are prorated among the types of service.
7. Summarize total costs by service - total cost by service is determined by adding the direct and indirect allocated costs and job costs.
8. Calculate rate per unit of service - the rate per unit of service is calculated by dividing the total annual cost by the total estimated annual utilization.

State Data Center Cost Allocation Plan Fiscal Year 2014



Explanation of Terms

- Allocated Direct - Personnel service and expense and equipment costs that are directly identified with providing a specific type of service. For example, CICS software product cost is directly allocated to CICS Transactions.
- Allocated Indirect - Personnel service and expense and equipment costs that are not identified as being directly attributable to a specific type of service. For example, office supplies is allocated pro-rata to all types of services.
- CICS Transaction - A CICS Transaction is a request, made at a workstation, for a display of information on the workstation or the storage of information being entered from the workstation.
- COOL:Gen (Composer) Service Units - A COOL:Gen Service Unit is a translation of CPU resources used for batch jobs and TSO transactions when using the COOL:Gen product.
- CPU Service Unit - CPU resources used for batch jobs, TSO transactions, CICS transactions, IDMS transactions, DB2 ClientServer transactions, FOCUS, and DB2 transactions are monitored and measured in CPU service units. Service units used by DB2 transactions are reported under CICS, TSO, and Batch.
- AD\Exchange - These are costs associated with Active Directory and Email services to the customers. Costs are based on the number of accounts and/or the amount of email being stored on the servers.
- Data Domain – A Data Deduplication and Replication Appliance used for backups .
- DistSys Backup-Recovery (Previously TSM & Data Domain) – Is an IBM software product that is used by customers to backup their servers and desktops. Cost to customers is based on how much backup storage they occupy.
- Enterprise Fax Services - Enterprise electronic fax services for sending and receiving faxes. Biscom electronic fax software is the fax product used.
- Laser Feet, Duplex Printing and Lines Printed - Print is based on lines printed (impact) or feet printed (laser/duplex) from the SDC mainframe printers.
- Job Costs - These are costs associated with backup, maintenance and monitoring of systems that are required to provide customer services. These costs are applied to the appropriate type of service.
- Physical Server Support (Previously Server Support) – Physical Server Support encompasses the many tasks of managing a physical server and it's infrastructure.
- Remote Server Support – Technical support and hardware replacement for servers not located in the State Data Center.
- SAN (Storage Area Network) - Disk Storage used by the Open System environment.
- SQL Database Hosting Base Charge -All base costs associated with supporting customer databases are included in the *Database Hosting Base Charge* except for the cost of the storage space for databases. The base rate of the *Database Hosting Base Charge* is based upon the total number of all customer databases supported by ITSD Database.
- SQL Server Memory- The server memory comes into play when you have a dedicated server/instance to one application. This maybe a large application on a COTS application that could have prerequisites for a large amount of memory. With this charge we are simply passing on the cost of memory to the application.

State Data Center Cost Allocation Plan Fiscal Year 2014

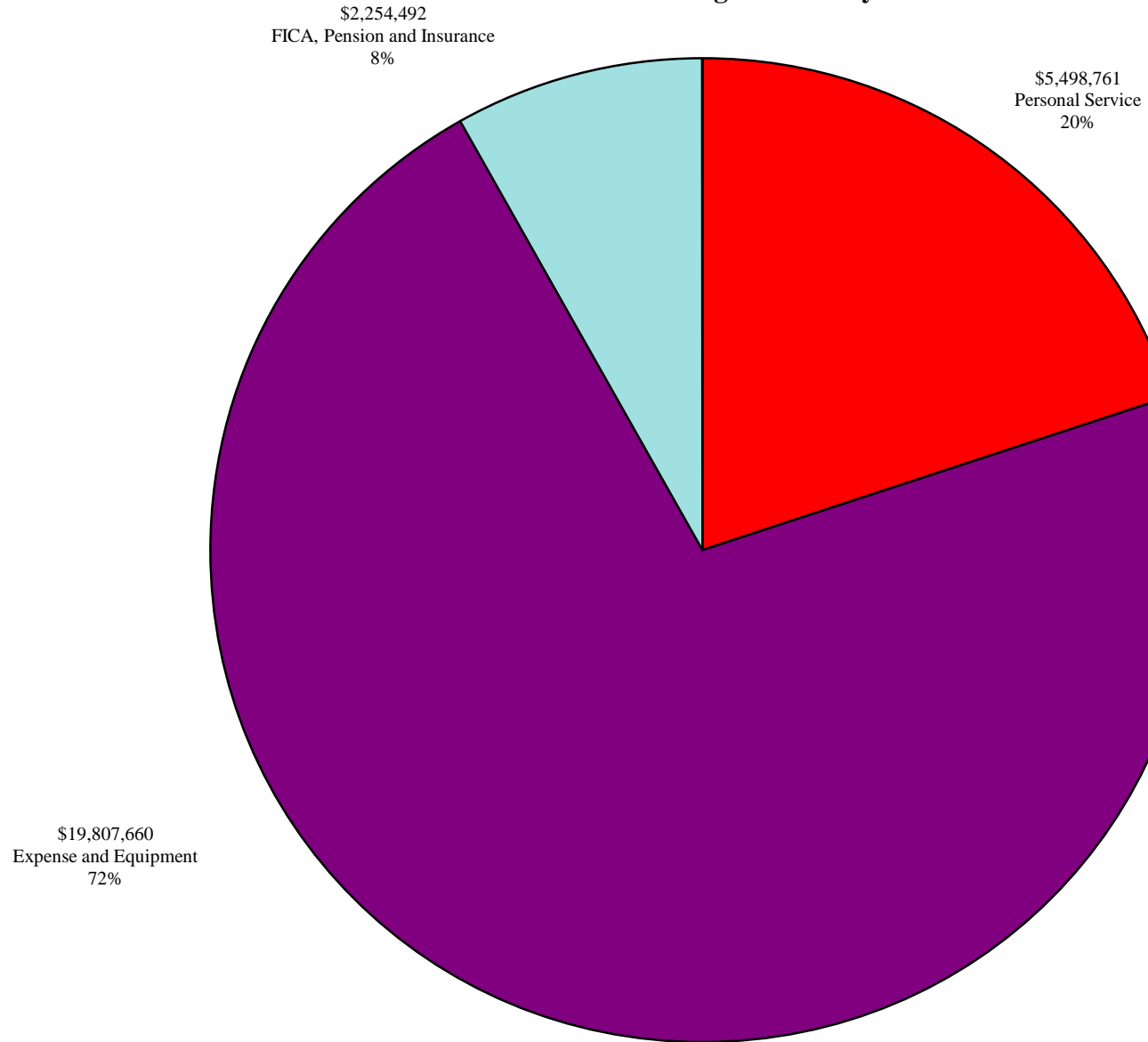


Explanation of Terms Continued

- SQL Database Hosting Overage Charge - Exclusive of the Database Hosting Base Charge is a separate Database “overage” charge based upon the size of the database. Comparatively, the larger the database, the more disk space, memory, support, and administration are needed to provide customer approved functionality and performance. The Database Hosting Overage Charge accounts for the requirement of these additional resources and is assessed on each additional gigabyte (GB) over 1 GB. Databases sized at less than or equal to 1 GB will not be assessed an overage charge.
- SQL DBMS License Charge - The DBMS license charge comes into play when you have a dedicated server/instance to one application. This maybe a large application or a COTS application that has a prerequisites for large amount of processing power. In order to keep the cost down for the DBMS systems, we are leveraging putting on more database on instance/region. When the application needs large amount of dedicated processing power, we have to have a way to bill this back. Most vendors now are basing their licenses on cores and to keep this cost down in the virtual world we are building dedicated clusters of VM’s and licensing every core. With this charge we are simply passing on the license cost of running the DBMS software to the application.
- TFS (Team Foundation Server) - is a Microsoft product offering source control, data collection, reporting, and project tracking, and is intended for collaborative software development projects. The bill back model includes hardware, software and personnel support for Production and Test installations. Agency specific database costs and TFS Build resources are an additional cost.
- VM (Virtual Machine) – A Virtual Machine is a technique using specialized software to combine images of multiple servers on a single machine.
- WAS (WebSphere Application Server) – IBM’s J2EE application server providing a platform for running java applications with EJB, Web Services, and other Feature Packs.
- VDI (Virtual Desktop Infrastructure) - Is the practice of hosting a desktop operating system within a virtual machine (VM) running on a hosted, centralized server. Access to the virtual desktop can be achieved with a variety of end point devices.
- zOS Data Storage (Previously DASD) - Direct Access Storage is measured in gigabytes (billions of characters) allocated to customer and SDC data.
- zOS DB2 Service Units (Previously DB2) - A DB2 Service Unit is a translation of resources used by the DB2 product.
- zOS Enterprise Data Back Up (Previously DSM) - Is the utilization of data storage on tape and on HSM DASD. Utilization is measured in gigabytes (billions of characters) allocated to customer and SDC data.
- zOS IDMS (Previously IDMS Run Unit) - An IDMS run unit is an online or batch request to access data managed by the IDMS data base system
- CPU Priority Adjustment - CPU Priority Adjustments are based on the batch job priority classes defined by the customers and the time of day for TSO usage. Low priority jobs are billed at 75 percent of the normal CPU billing rate. These jobs are processed during the second and third shifts. Class ‘1’ jobs are billed at 65 percent of the normal CPU billing rate. These jobs are processed during weekends and holidays. TSO CPU, FOCUS CPU, and Roscoe CPU usage during non-prime hours (5 p.m. to 7 a.m.) is billed at 75 percent of normal CPU billing rate.

Budget Summary (B)

FY14 State Data Center Budget Summary



**State Data Center
Cost Allocation Plan
Fiscal Year 2014**

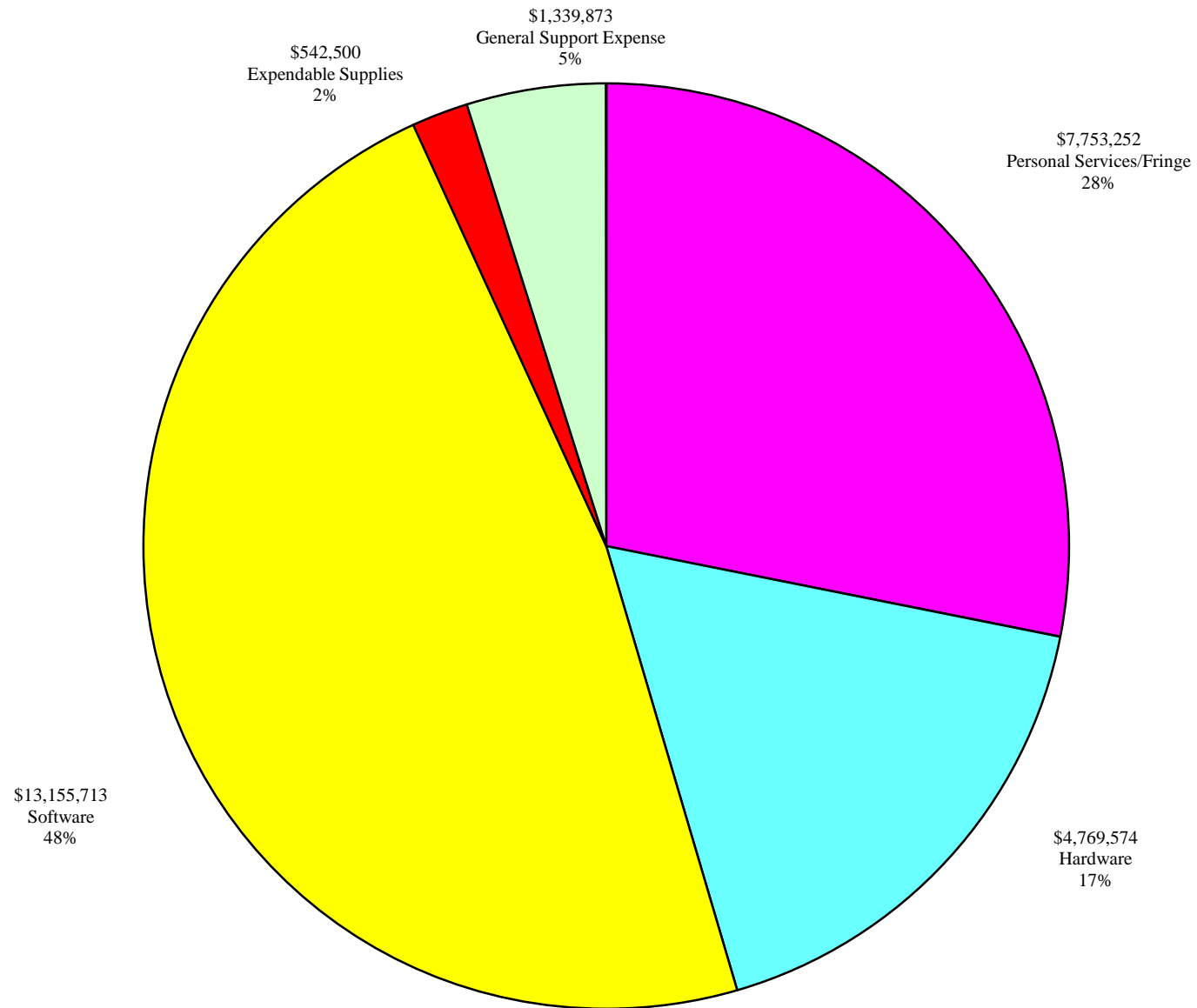


**FY14 Budget Summary
State Data Center**

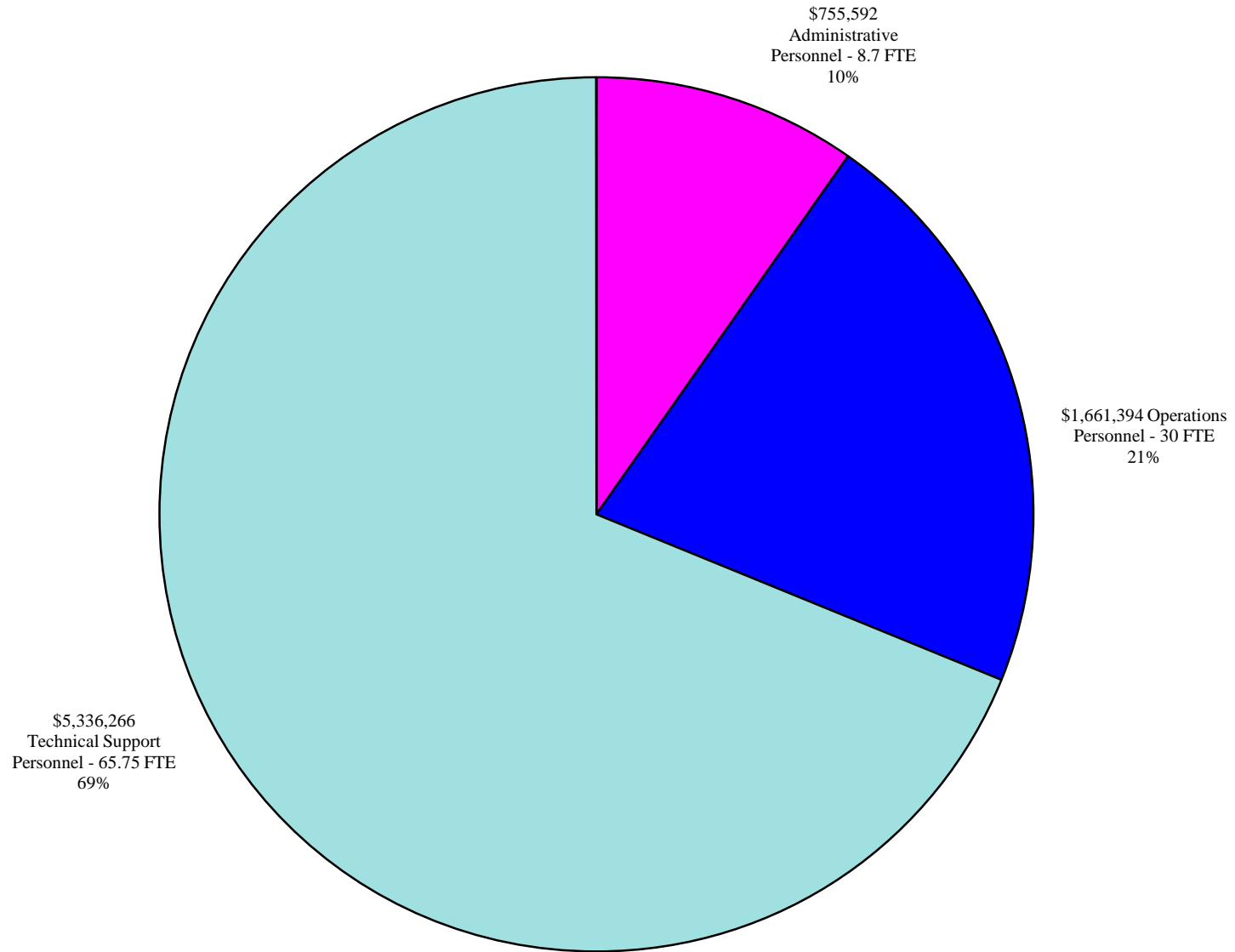
| | <u>Revolving Fund</u> |
|-----------------------------|----------------------------------|
| Personal Service | \$5,498,761 |
| Expense and Equipment | \$19,807,662 |
| Transfers | \$0 |
| FICA, Pension and Insurance | \$2,254,492 |
| Total Budgeted Costs | <u>\$27,560,914</u> |

Budget Detail (C)

FY14 State Data Center Object Code Allocations



**FY14 State Data Center
Personnel Allocation**



**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Budget Detail
State Data Center**

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---------------------------------------|---|--------------------|--------------------|
| Personnel | | | |
| Administrative Personnel | | | |
| 1 | Accounting Analyst III (.25 FTE) | 14,212 | 14,354 |
| 2 | Accounting Specialist II (.25 FTE) | 11,793 | 11,911 |
| 3 | Accounting Specialist III | 52,179 | 52,701 |
| 4 | Administrative Office Support Assistant (.25 FTE) | 0 | 0 |
| 5 | Administrative Office Support Assistant (.25 FTE) | 7,082 | 7,153 |
| 6 | Administrative Sr. Office Support Assistant (.29 FTE) | 10,447 | 10,551 |
| 7 | CIO (.29 FTE) | 35,685 | 36,042 |
| 8 | Deputy for Operations (.29 FTE) | 26,964 | 27,233 |
| 9 | Executive I (.25 FTE) | 10,839 | 10,947 |
| 10 | Executive I (.25 FTE) | 8,834 | 8,923 |
| 11 | Executive I (.5 FTE) | 18,012 | 18,192 |
| 12 | Executive II (.25 FTE) | 10,215 | 10,317 |
| 13 | Fiscal & Administrative Manager Band 1 (.25 FTE) | 16,464 | 16,628 |
| 14 | Fiscal & Administrative Manager Band 1 (.5 FTE) | 0 | 29,291 |
| 15 | Fiscal & Administrative Manager Band 2 (.25 FTE) | 25,457 | 25,712 |
| 16 | Fiscal & Administrative Manager Band 2 (.25 FTE) | 14,759 | 14,906 |
| 17 | Fiscal & Administrative Manager Band 2 (.25 FTE) | 17,104 | 17,275 |
| 18 | Fiscal & Administrative Manager Band 2 (.25 FTE) | 21,972 | 22,192 |
| 19 | Fiscal & Administrative Manager Band 3 (.25 FTE) | 25,457 | 25,712 |
| 20 | Information Technology Manager (.29 FTE) | 20,692 | 20,899 |
| 21 | Information Technology Specialist I (.25 FTE) | 17,836 | 18,014 |
| 22 | Information Technology Supervisor | 57,811 | 58,389 |
| 23 | Procurement Officer I (.25 FTE) | 11,276 | 11,389 |
| 24 | Procurement Officer II (.25 FTE) | 15,508 | 15,663 |
| 25 | Procurement Officer II (.25 FTE) | 12,261 | 12,384 |
| 26 | Section Manager Div Of Information Services (.25 FTE) | 21,270 | 21,483 |
| 27 | Special Asstistant Professional (.29 FTE) | 17,445 | 17,620 |
| Total Administrative Personnel | | \$501,574 | \$535,881 |
| Computer Operations Personnel | | | |
| 1 | Computer Operations Supervisor I | 46,035 | 46,496 |
| 2 | Computer Operations Supervisor I | 45,766 | 46,223 |
| 3 | Computer Operations Supervisor I | 44,005 | 44,445 |
| 4 | Computer Operations Supervisor I | 47,939 | 48,419 |
| 5 | Computer Operations Supervisor I | 46,951 | 47,421 |
| 6 | Computer Operations Supervisor II | 46,951 | 47,421 |
| 7 | Computer Operator I | 35,013 | 35,363 |
| 8 | Computer Operator I | 37,804 | 38,182 |
| 9 | Computer Operator I | 29,747 | 30,045 |
| 10 | Computer Operator II | 35,688 | 36,045 |
| 11 | Computer Operator II | 30,878 | 31,187 |
| 12 | Computer Operator II | 26,784 | 27,052 |
| 13 | Computer Operator II | 33,183 | 33,515 |
| 14 | Computer Operator II | 27,213 | 27,485 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Budget Detail continued

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|--|---|--------------------|--------------------|
| 15 | Computer Operator III | 37,076 | 37,447 |
| 16 | Computer Operator III | 33,784 | 34,122 |
| 17 | Computer Operator III | 31,436 | 31,751 |
| 18 | Computer Operator III | 36,346 | 36,710 |
| 19 | Computer Operator III | 45,766 | 46,223 |
| 20 | Computer Operator III | 44,005 | 44,445 |
| 21 | Computer Operator Trainee | 30,203 | 30,505 |
| 22 | Computer Operator Trainee | 28,702 | 28,989 |
| 23 | Computer Operator Trainee | 22,675 | 22,902 |
| 24 | Computer Operator Trainee | 26,326 | 26,589 |
| 25 | Information Technologist I | 44,864 | 45,313 |
| 26 | Information Technologist II | 39,954 | 40,353 |
| 27 | Information Technologist II | 37,764 | 38,141 |
| 28 | Information Technologist III | 42,514 | 42,939 |
| 30 | Information Technologist IV | 49,943 | 50,443 |
| 32 | Manager of Operations | 61,510 | 62,125 |
| | Operations Overtime | 20,000 | 20,000 |
| Total Computer Operations Personnel | | \$1,166,826 | \$1,178,294 |
| Technical Support Personnel | | | |
| 1 | Director of State Data Center | 53,078 | 53,609 |
| 2 | Director of State Data Center (.5 FTE) | 40,796 | 0 |
| 3 | Information Technologist I | 47,939 | 48,419 |
| 4 | Information Technologist I (.8 FTE) | 29,077 | 29,368 |
| 5 | Information Technologist II | 56,557 | 57,122 |
| 6 | Information Technologist II | 0 | 36,385 |
| 7 | Information Technologist II | 0 | 36,385 |
| 8 | Information Technologist III | 62,784 | 63,412 |
| 9 | Information Technologist III | 73,034 | 73,764 |
| 10 | Information Technologist III | 42,033 | 42,453 |
| 11 | Information Technologist III | 0 | 42,284 |
| 12 | Information Technologist III | 0 | 40,663 |
| 13 | Information Technologist IV | 49,943 | 50,443 |
| 14 | Information Technologist IV | 48,128 | 48,609 |
| 15 | Information Technologist IV | 49,046 | 49,536 |
| 16 | Information Technologist IV | 55,448 | 56,002 |
| 17 | Information Technologist IV | 0 | 42,978 |
| 18 | Information Technologist IV | 0 | 45,560 |
| 19 | Information Technologist IV (.05 FTE) | 0 | 2,233 |
| 20 | Information Technologist IV (.1 FTE) | 0 | 4,298 |
| 21 | Information Technology Manager (.5 FTE) | 27,624 | 27,901 |
| 22 | Information Technology Manager I | 76,283 | 77,046 |
| 23 | Information Technology Manager I | 71,347 | 72,060 |
| 24 | Information Technology Senior Specialist (.8 FTE) | 51,339 | 51,852 |
| 25 | Information Technology Senior Specialist (.8 FTE) | 54,752 | 55,299 |

State Data Center Cost Allocation Plan Fiscal Year 2014



FY14 Budget Detail continued

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|------------------------|--|--------------------|--------------------|
| 26 | Information Technology Spec I | 0 | 48,614 |
| 27 | Information Technology Spec I (.1 FTE) | 0 | 4,862 |
| 28 | Information Technology Spec I (.3 FTE) | 0 | 16,133 |
| 29 | Information Technology Spec II (.05 FTE) | 0 | 2,981 |
| 30 | Information Technology Spec III (.15 FTE) | 0 | 10,367 |
| 31 | Information Technology Specialist I | 42,987 | 43,417 |
| 32 | Information Technology Specialist I | 50,086 | 50,587 |
| 33 | Information Technology Specialist I | 53,244 | 53,776 |
| 34 | Information Technology Specialist I | 50,931 | 51,440 |
| 35 | Information Technology Specialist I | 47,939 | 48,418 |
| 36 | Information Technology Specialist I | 55,369 | 55,922 |
| 37 | Information Technology Specialist I | 67,007 | 67,677 |
| 38 | Information Technology Specialist I | 51,072 | 51,582 |
| 39 | Information Technology Specialist I | 74,565 | 75,311 |
| 40 | Information Technology Specialist I | 55,447 | 56,002 |
| 41 | Information Technology Specialist I | 52,176 | 52,698 |
| 42 | Information Technology Specialist I | 52,033 | 52,554 |
| 43 | Information Technology Specialist I | 64,173 | 64,814 |
| 44 | Information Technology Specialist I | 54,238 | 54,780 |
| 45 | Information Technology Specialist I | 64,173 | 64,814 |
| 46 | Information Technology Specialist I | 61,530 | 62,146 |
| 47 | Information Technology Specialist I | 50,086 | 50,587 |
| 48 | Information Technology Specialist I | 51,078 | 51,588 |
| 49 | Information Technology Specialist I | 49,943 | 50,443 |
| 50 | Information Technology Specialist I | 0 | 55,714 |
| 51 | Information Technology Specialist I (.5 FTE) | 32,086 | 32,407 |
| 52 | Information Technology Specialist I (.5 FTE) | 31,392 | 31,706 |
| 53 | Information Technology Specialist I (.5 FTE) | 35,671 | 36,028 |
| 54 | Information Technology Specialist II | 71,459 | 72,174 |
| 55 | Information Technology Specialist II | 62,852 | 63,481 |
| 56 | Information Technology Specialist II | 60,222 | 60,824 |
| 57 | Information Technology Specialist II | 61,510 | 62,125 |
| 58 | Information Technology Specialist II | 54,358 | 54,901 |
| 59 | Information Technology Specialist II | 62,852 | 63,481 |
| 60 | Information Technology Specialist II | 55,369 | 55,922 |
| 61 | Information Technology Specialist II | 64,173 | 64,814 |
| 62 | Information Technology Specialist II | 56,557 | 57,122 |
| 63 | Information Technology Specialist II | 56,557 | 57,122 |
| 64 | Information Technology Specialist II | 60,222 | 60,824 |
| 65 | Information Technology Specialist II | 60,526 | 61,131 |
| 66 | Information Technology Specialist II | 65,561 | 66,217 |
| 67 | Information Technology Specialist II | 68,420 | 69,105 |
| 68 | Information Technology Specialist II | 62,852 | 63,481 |
| 69 | Information Technology Specialist II | 59,021 | 59,611 |
| 70 | Information Technology Specialist II | 62,852 | 63,481 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Budget Detail continued

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|--|---|---------------------------------------|--------------------|
| 71 | Information Technology Specialist II | 68,438 | 69,123 |
| 72 | Information Technology Specialist II (.8 FTE) | 47,218 | 47,690 |
| 73 | Information Technology Specialist II (.8 FTE) | 54,752 | 55,299 |
| 74 | Information Technology Supervisor | 56,505 | 57,070 |
| 75 | Information Technology Spec I | 0 | 49,535 |
| | Technical Support Overtime | 45,000 | 45,000 |
| Total Technical Support Personnel | | \$3,353,710 | \$3,784,586 |
| Total Personnel | | \$5,022,110 | \$5,498,761 |
| Total Fringe Benefits | | \$2,059,065 | \$2,254,492 |
| Total Personnel and Fringe Benefits | | \$7,081,176 | \$7,753,252 |
| | | | |
| Normalized Salary for Computer Operations Personnel | | \$1,178,294 / 30 = \$39,276 | |
| Normalized Salary for Technical Support Personnel | | \$3,784,586 / 65.75 = \$57,560 | |
| | | | |
| Hardware Lease | | | |
| 103 | CPU Lease | 0 | 420,000 |
| 104 | CPU Annual Growth Upgrades | 642,800 | 0 |
| 105 | DASD Lease | 0 | 135,600 |
| 106 | DASD Growth | 330,400 | 255,000 |
| 107 | Deduplication/Replication Hardware Lease | 0 | 0 |
| 108 | Disaster Recovery CPU (Springfield Site) | 242,823 | 242,823 |
| 111 | High Density Tape Drive (VTSM) Growth | 50,000 | 170,000 |
| 113 | SAN DASD | 85,236 | 414,000 |
| 116 | InfoPrint 4000 Upgrade | 300,000 | 0 |
| 117 | VM Hardware Lease | 0 | 324,730 |
| Total Hardware Lease | | \$1,651,259 | \$1,962,153 |
| | | | |
| Hardware Maintenance | | | |
| 204 | CPU Maintenance | 398,839 | 418,781 |
| 205 | DASD Maintenance | 53,905 | 68,000 |
| 206 | Data Domain Appliance Maintenance | 141,655 | 227,200 |
| 207 | Backup Admin Servers Maintenance (TSM Win) | 0 | 4,800 |
| 210 | Fax Server Host Maintenance | 0 | 5,440 |
| 214 | External Coupling Facility | 21,857 | 22,950 |
| 222 | Print Unwinder/Job Sep/CTS | 85,825 | 90,000 |
| 223 | Printer Usage | 181,000 | 205,000 |
| 224 | Printer-Impact | 1,500 | 5,200 |
| 225 | Printer-Laser | 86,967 | 78,000 |
| 229 | Remote Server Support | 0 | 128,000 |
| 230 | Service Processor | 723 | 1,800 |
| 231 | SAN Server and Storage Maintenance | 252,891 | 183,800 |
| 232 | TSM Server and Storage Maintenance | 91,172 | 37,000 |
| 233 | GTX Qualifier Maintenance | 2,000 | 2,800 |
| 234 | Tape Unit | 41,864 | 0 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Budget Detail continued

| Item Number | Description | \$ FY13 CAP | \$ FY14 CAP |
|-----------------------------------|---|--------------------|--------------------|
| 236 | FICON Directors | 51,158 | 85,500 |
| 237 | Virtual Tape | 0 | 10,300 |
| 238 | VM Server and Storage Maintenance | 40,558 | 48,900 |
| 239 | Batteries/UPS Maintenance | 42,450 | 50,276 |
| 240 | Generator Maintenance | 7,741 | 7,741 |
| 241 | Console Support Controller | 1,290 | 0 |
| 242 | Servers - Maintenance Renewals | 35,400 | 13,470 |
| 243 | VDI Server Maintenance | 19,506 | 19,506 |
| 244 | VDI Storage Maintenance | 20,698 | 20,698 |
| 245 | SVC Hardware Maintenance | 0 | 2,500 |
| Total Hardware Maintenance | | \$1,578,999 | \$1,737,662 |
| Software Lease | | | |
| 301 | ACF/NCP | 10,380 | 10,380 |
| 302 | ACF/SSP | 19,080 | 19,080 |
| 303 | Softek TDMF Replicator for zOS | 22,365 | 23,483 |
| 304 | ASF V3 Base plus Document Writing | 23,232 | 23,232 |
| 305 | BMC Mainview | 71,600 | 71,600 |
| 306 | CICS Transaction Gateway | 48,585 | 48,585 |
| 307 | CICS/TS V5 | 1,093,296 | 1,093,296 |
| 308 | COBOL for OS/390 & VM Alt | 132,828 | 132,828 |
| 309 | MacKinney Software | 8,093 | 7,245 |
| 310 | DCF Base | 27,960 | 27,960 |
| 311 | AFP Toolbox (Toolkit) | 3,540 | 3,540 |
| 313 | DSF/DSS/HSM OS/390 V2 | 140,453 | 140,453 |
| 319 | IBM Websphere App Svr V5 (WAS for z/OS) | 63,771 | 177,000 |
| 321 | Interactive Output Facility (IOF) | 6,321 | 5,800 |
| 324 | WebSphere MQ for Z/OS | 349,596 | 459,710 |
| 328 | OGL/370 V1 | 5,220 | 7,830 |
| 329 | OS/390 Version 2 | 2,044,945 | 1,965,000 |
| 330 | Page Print Format Aid/370 V1 | 3,660 | 3,660 |
| 331 | PL/I Alternate Function | 120,396 | 140,568 |
| 332 | PSF/MVS | 20,748 | 65,000 |
| 333 | SDF II MVS | 27,300 | 27,300 |
| 335 | Red Hat Enterprise\Network Satellite | 18,689 | 24,400 |
| 338 | DB2 EOS v10 | 947,832 | 976,267 |
| 339 | Symantic EndPoint Protection Subscription - VM | 0 | 22,838 |
| 340 | Microsoft Server Operating System Subscription | 0 | 78,000 |
| 341 | UDB - DB2 Utilities Suite | 30,261 | 30,261 |
| 342 | Symantic EndPoint Protection Subscription - Remote Server Support | 0 | 19,892 |
| 343 | Antivirus For Exchange | 25,000 | 125,000 |
| Total Software Lease | | \$5,265,151 | \$5,730,208 |
| Software Maintenance | | | |
| 401 | Axceler ControlPoint - SharePoint Internal | 14,500 | 7,250 |
| 402 | Axceler ControlPoint - SharePoint External | 0 | 3,625 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Budget Detail continued

| Item Number | Description | \$ FY13 CAP | \$ FY14 CAP |
|------------------------|--|--------------------|--------------------|
| 403 | CA All Fusion | 29,939 | 32,933 |
| 404 | CA Intertest W/XA-ESA-Batch | 76,240 | 83,864 |
| 405 | CA Intertest W/XA-ESA-CICS | 105,282 | 0 |
| 406 | CA Librarian | 171,626 | 188,788 |
| 408 | CA Restart/Recover (CA11) | 55,377 | 60,915 |
| 410 | CA Scheduling Package (CA7) | 163,317 | 179,649 |
| 411 | CA TMS (CA1) | 60,977 | 67,075 |
| 412 | CA UNIPAK | 1,486,093 | 1,634,702 |
| 413 | IBM Tivoli Omegamon DE V3 | 45,813 | 45,813 |
| 414 | IBM Tivoli Omegamon XE CICS V3 | 45,813 | 45,813 |
| 415 | CL/Supersession for z/OS | 48,104 | 48,104 |
| 416 | IBM Tivoli Omegamon XE DB2 V4 | 96,512 | 96,512 |
| 417 | IBM Tivoli Omegamon XE z/OS V2 | 91,626 | 91,626 |
| 418 | Catalog/ Disk / HSM Audit and Recovery Utilities | 21,820 | 27,225 |
| 419 | DB2 Connect | 37,247 | 37,247 |
| 420 | Allen System Group Job Scan/Docu Text | 43,859 | 43,859 |
| 421 | Document Management Systems (MOBIUS) | 87,486 | 87,486 |
| 422 | Dumpmaster MVS | 104,895 | 104,895 |
| 423 | Group 1 Software MailStream Plus | 10,766 | 21,434 |
| 424 | Group 1 Software Zip+4 (Code-1 Plus) | 24,690 | 25,925 |
| 425 | IBI FOCUS | 0 | 515,000 |
| 426 | IBM Storage Volume Controller (SVC) | 115,000 | 0 |
| 427 | IBM TotalStorage Productivity Center (TPC) | 110,150 | 60,000 |
| 428 | Tivoli WAS\ND | 48,000 | 121,893 |
| 429 | Insync MVS | 89,817 | 89,817 |
| 430 | IPSwitch Renewal | 6,500 | 6,500 |
| 431 | TicToc | 7,608 | 7,608 |
| 432 | DB2 LUW | 7,894 | 8,684 |
| 433 | LOTUS Domino V6 | 13,886 | 0 |
| 434 | Connect:Direct | 12,000 | 12,000 |
| 435 | Merrill Consultants MXG | 3,000 | 0 |
| 436 | MVS Quick Reference | 37,192 | 31,250 |
| 437 | Microsoft Premiere Support | 31,000 | 31,000 |
| 438 | SSL Certificates | 0 | 1,375 |
| 439 | MoveIT Software Maintenance | 0 | 0 |
| 440 | Platinum DB2 Tools | 345,036 | 345,036 |
| 441 | RevealNet Reveal for DB2 | 2,760 | 0 |
| 442 | MicroSoft Team Foundation Software Subscription | 0 | 2,054 |
| 443 | SAS Base | 153,050 | 153,050 |
| 444 | SAS/ STAT | 96,780 | 96,780 |
| 445 | SAS/ACCESS | 96,780 | 96,780 |
| 447 | SAS/ETS | 48,390 | 48,390 |
| 451 | SA Licenses for SQL | 0 | 231,561 |
| 452 | SI SyncSort | 18,688 | 20,811 |
| 454 | SPC Systems - COBOL Report Writer Precompiler | 2,849 | 2,849 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Budget Detail continued

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|-----------------------------------|---|--------------------|--------------------|
| 456 | Distributed Print Software Maintenance | 0 | 30,545 |
| 457 | Biscom Software Maintenance | 0 | 11,400 |
| 458 | SSRS Software Maintenance | 0 | 0 |
| 460 | Tivoli Storage Management | 210,845 | 25,500 |
| 463 | Vanguard Security Reporter | 51,507 | 51,505 |
| 464 | DB2 Buffer Pool Tool | 19,425 | 19,425 |
| 466 | BMC Event Manager | 15,000 | 0 |
| 468 | SQL | 70,000 | 20,000 |
| 469 | VMWare View Software Maintenance | 152,650 | 152,650 |
| 470 | Microsoft VDA Licensing (Software Subscription) | 170,250 | 170,250 |
| 471 | Catalog/ Disk / HSM Audit and Recovery Utilities - zOS Enterprise D | 5,405 | 5,405 |
| 472 | SDI TN3270 Emulation | 13,500 | 11,128 |
| 474 | Server Software - Maintenance Renewals - AD & Exchange | 235,202 | 266,519 |
| 475 | GSF STEPLIB/LLIBEF | 3,000 | 3,000 |
| 476 | What's Up | 4,000 | 0 |
| 477 | SAN Software | 150,000 | 132,200 |
| 478 | Vranger Software Maintenance | 23,925 | 10,565 |
| 479 | VMWare vSphere License Maintenance | 0 | 207,075 |
| 480 | SolarWinds Storage Manager Maintenance | 0 | 7,200 |
| 481 | Server Software - Maintenance Renewals - SharePoint Internal | 0 | 0 |
| 482 | Server Software - Maintenance Renewals - SharePoint External | 0 | 0 |
| 483 | JIRA License | 0 | 0 |
| 484 | JIRA Plugin | 0 | 0 |
| Total Software Maintenance | | \$5,193,071 | \$5,941,545 |
| Hardware Purchase | | | |
| 502 | 24-Port Fax Cards for Server | 0 | 9,911 |
| 503 | Deduplication/Replication Purchase - DistSys Backup-Recovery | 0 | 162,602 |
| 504 | SAN - New/Replacement Purchases | 165,876 | 117,960 |
| 505 | Deduplication/Replication Purchase - AD & Exchange | 235,210 | 28,695 |
| 506 | Desktop Computer Equipment | 0 | 6,681 |
| 507 | Remote Server Replacement | 461,652 | 0 |
| 508 | Remote Storage Hardware | 0 | 0 |
| 509 | Tools for Staff | 38,000 | 38,000 |
| 510 | Servers - New/Replacement Purchases | 0 | 58,334 |
| 511 | TSM Hardware Purchase - AD & Exchange | 528,663 | 66,951 |
| 512 | TSM Hardware Purchase - DistSys Backup-Recovery | 413,549 | 52,604 |
| 514 | VM Hardware Purchase | 235,430 | 310,490 |
| 515 | Data Domain Hardware Upgrade | 219,000 | 1,425 |
| 516 | VDI End-Point Device (Then Clients) | 0 | 0 |
| 517 | VDI Server and Upgrades | 65,020 | 71,440 |
| 518 | VDI Storage and Upgrades | 68,994 | 64,666 |
| 519 | SAN Hardware Upgrade | 0 | 13,333 |
| 520 | InfoPrint Hardware Purchase | 0 | 66,667 |
| Total Hardware Purchase | | \$2,431,394 | \$1,069,759 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Budget Detail continued

| Item Number | Description | \$ FY13 CAP | \$ FY14 CAP |
|----------------------------------|---|--------------------|--------------------|
| Software Purchase | | | |
| 601 | Enterprise Licnese for SQL (New) | 0 | 477,950 |
| 602 | Distributed Print Software | 0 | 27,333 |
| 603 | Software Upgrade | 0 | 0 |
| 605 | Fax Services | 62,000 | 0 |
| 606 | TSM Software Purchase | 0 | 300,000 |
| 607 | VM Software Purchase | 60,000 | 128,775 |
| 608 | Vranger License Enhancement | 9,000 | 23,400 |
| 609 | VMWare View Licensing | 86,000 | 86,000 |
| 610 | Trend Micro ScanMail Security Software | 0 | 98,500 |
| 611 | ISA for Webmail Software | 0 | 2,880 |
| 612 | Enterprise Vault Software Upgrade | 0 | 220,000 |
| 613 | BMC ProactiveNet Performance Management Suite | 0 | 110,000 |
| 615 | Biscom Enterprise Fax Software | 0 | 9,124 |
| Total Software Purchase | | \$217,000 | \$1,483,962 |
| Expendable Supplies | | | |
| 701 | Magnetic Tapes & Supplies | 60,000 | 2,500 |
| 703 | Network Supplies | 5,000 | 0 |
| 704 | Paper | 285,000 | 335,000 |
| 705 | Paper Storage and Transport Transfer | 10,750 | 0 |
| 706 | Printer Supplies | 195,000 | 205,000 |
| Total Expendable Supplies | | \$555,750 | \$542,500 |
| General Support Expense | | | |
| 802 | Consulting Service | 35,000 | 60,000 |
| 805 | IBM Global Network(Advantis) | 10,000 | 0 |
| 806 | Internet Access | 1,500 | 0 |
| 807 | IBM Server Support Line | 45,000 | 25,000 |
| 808 | MAN Connection/ANS Support/RLS Charges | 112,800 | 112,800 |
| 810 | Open Systems DR | 81,720 | 0 |
| 811 | Office Supplies, Equipment and Maintenance | 12,500 | 12,500 |
| 812 | Cell Phone | 6,000 | 6,000 |
| 813 | Electrical Distribution, Maintenance | 100,000 | 100,000 |
| 814 | Postage/Inter Agency Mail Delivery | 4,300 | 4,000 |
| 815 | Printing and Binding | 3,500 | 3,500 |
| 816 | Cabinets, Furniture & Building Changes | 100,000 | 100,000 |
| 817 | Reserve for Unplanned Expense | 300,000 | 0 |
| 818 | S390 SoftwarExcel | 152,181 | 152,181 |
| 819 | Security Services | 25,000 | 0 |
| 820 | Subscriptions & Publications | 5,000 | 5,000 |
| 821 | Telephone Service and Equipment | 57,500 | 57,500 |
| 822 | Training & Professional Development | 90,000 | 10,000 |
| 823 | Travel | 27,500 | 15,000 |
| 824 | Resource Oversight | 0 | 108,000 |
| 825 | VPN - Access Charge | 9,268 | 3,000 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Budget Detail continued

| Item Number | Description | \$ FY13 CAP | \$ FY14 CAP |
|--------------------------------------|---|---------------------|---------------------|
| 826 | VM Additional Charges for SQL | 0 | 132,317 |
| 827 | SSL Certificates | 20,000 | 1,000 |
| 828 | Service Deployment Appliance | 0 | 65,000 |
| 829 | Shredding | 1,500 | 1,500 |
| 830 | SAN/NAS Support Line | 10,000 | 10,000 |
| 831 | Disaster Recovery Rental (Springnet) | 112,380 | 115,000 |
| 832 | Disaster Recovery Electric (Springnet) | 30,000 | 38,000 |
| 833 | RedHat/JBoss Support | 6,000 | 6,000 |
| 834 | Websense Pur/Mtc Recovery | 5,000 | 0 |
| 835 | AD & Exchange Contractor Services | 0 | 20,000 |
| 836 | AD & Exchange Training\Travel\Tools for Staff | 0 | 7,000 |
| 837 | FTP Training\Travel\Tools for Staff | 0 | 0 |
| 838 | SAN Training\Travel\Tools for Staff | 0 | 15,000 |
| 839 | SQL Training\Travel\Tools for Staff | 0 | 70,000 |
| 840 | SharePoint Training\Travel\Tools for Staff | 0 | 0 |
| 841 | VM Training\Travel\Tools for Staff | 0 | 4,000 |
| 842 | TSM Training\Travel\Tools for Staff | 0 | 10,000 |
| 843 | TFS Training\Travel\Tools for Staff | 0 | 300 |
| 844 | Remote Server Support Training\Travel\Tools for Staff | 0 | 0 |
| 845 | WAS Training\Travel\Tools for Staff | 0 | 4,500 |
| 846 | VM Additional Charges for Was | 0 | 14,729 |
| 847 | VM Additional Charges for FTP | 0 | 0 |
| 848 | VM Additional Charges for SharePoint Internal | 0 | 0 |
| 849 | VM Additional Charges for SharePoint External | 0 | 0 |
| 850 | VM Additional Charges for TFS | 0 | 4,794 |
| 851 | VM Additional charges for JIRA | 0 | 0 |
| 852 | VM Additional Charges for SSRS | 0 | 0 |
| 853 | SSRS Training\Travel\Tools for Staff | 0 | 0 |
| 854 | Fax Circuit Installation Charge (One-time Cost) | 0 | 292 |
| 855 | Fax Circuit Charge - 6 PRI Circuits | 0 | 45,960 |
| Total General Support Expense | | \$1,363,649 | \$1,339,873 |
| Total Expense + Equipment: | | \$18,256,273 | \$19,807,662 |
| Grand Total | | \$25,337,449 | \$27,560,914 |

Utilization Estimates (D)

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimate Assumptions

The majority of the agency utilization estimates for each of the service categories were based on the 3rd quarter FY13 usage. The 3rd quarter included January, 2013 through March, 2013 data. This was the most recent quarterly data available for completion of the FY14 CAP and is the basis of the FY14 utilization estimates for most agencies. Adjustments to the 3rd quarter data are explained below as well as further explanation of the year to date and current quarter utilization.

Year To Date Utilization: is based on 9 months of actual data (July-12 through Mar-13) annualized. The total utilization for the 9 months is divided by 9 (number of months of data) to equal an average month and then multiplied by 12, for a yearly total. The categories are then increased by the percentages below. Only the Department of Revenue's utilization was estimated using the Year-to-Date data because of its seasonal usage.

Current Quarter Utilization: is based on the most recent quarter (3rd) of actual data annualized. This includes January, February and March, 2013 data. The total utilization for the quarter is divided by 3, (number of months of data) to equal an average month and then multiplied by 12, for a yearly total. The categories are then increased by the percentages below. Agency's FY14 usage was based on the current quarter data except for the Department of Revenue.

Category of Service

Standard Adjustments

| | |
|----------------------------------|--|
| CICS Transactions | Straight Utilization, flat growth, no increase for FY14. |
| CPU | Straight Utilization, flat growth, no increase for FY14. |
| zOS Enterprise Data Backup (DSM) | Straight Utilization, flat growth, no increase for FY14. |
| zOS DB2 | Straight Utilization, flat growth, no increase for FY14. |
| zOS Data Storage (DASD) | Straight Utilization, flat growth, no increase for FY14. |

Other Utilization Notes

- Utilization estimates for Non Main Frame Categories was supplied by the State Data Center. The Non Main Frame Categories are: AD & Exchange, VM, SAN, Physical Server Support, DistSys Backup-Recovery, WAS, SQL, Remote Server Support, VDI, TFS and Fax.
- Dept. of Revenue is Year To Date Utilization (9 months of actual utilization annualized) as opposed to current quarter.

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>CICS Transactions</u> | <u>All Fusion Service Units</u> | <u>CPU Service Units</u> |
|--------------------------------------|--------------------------|-------------------------------------|--------------------------|
| Senate | 75,600 | 0 | 84,146,792 |
| House of Representatives | 152,684 | 0 | 91,948,136 |
| Legislative Research | 18,228 | 0 | 3,246,352 |
| State Courts Administrator | 1,326,860 | 0 | 674,159,760 |
| Secretary of State | 480,920 | 0 | 317,798,565 |
| Auditor | 60,860 | 0 | 44,819,634 |
| Treasurer | 90,240 | 0 | 20,492,946 |
| Attorney General | 262,776 | 0 | 75,979,660 |
| OA/ITSD Systems & Programming | 366,048 | 400,464,648 | 7,883,632,049 |
| OA/Missouri Ethics Commission | 7,356 | 0 | 2,745,332 |
| OA/Depty Commissioner | 105,580 | 0 | 40,944,606 |
| OA/Accounting | 4,164,316 | 0 | 3,341,453,751 |
| OA/Budget and Planning | 202,756 | 0 | 48,921,745 |
| OA/ITSD Production | 10,390,736 | 4,187,408 | 56,983,380,483 |
| OA/Design and Construction | 262,304 | 0 | 71,227,031 |
| OA/Personnel | 10,423,764 | 0 | 2,123,579,414 |
| OA/Purchasing | 572,644 | 0 | 489,424,701 |
| OA/General Services | 2,383,652 | 0 | 1,009,401,680 |
| OA/Facilities Management | 881,000 | 0 | 310,315,486 |
| OA/Administrative Hearing Commission | 11,144 | 0 | 6,872,864 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 514,444 | 0 | 242,786,784 |
| Dept of Insurance | 415,784 | 0 | 409,178,479 |
| Dept of Conservation | 779,200 | 0 | 383,505,354 |
| Dept of Economic Development | 1,843,048 | 0 | 3,818,117,631 |
| Dept of Elementary & Secondary ED | 2,126,280 | 0 | 1,770,159,381 |
| Dept of Higher Education | 146,812 | 0 | 218,403,094 |
| Dept of Health & SS | 25,383,072 | 0 | 18,180,422,718 |
| Dept of Transportation | 8,480,400 | 0 | 3,454,100,603 |
| Dept of Labor & Industrial Relation | 167,683,148 | 13,352 | 81,959,767,803 |
| Dept of Mental Health | 8,695,760 | 0 | 14,872,956,350 |
| Dept of Natural Resources | 3,245,092 | 0 | 7,845,245,584 |
| Dept of Public Safety | 2,473,180 | 0 | 1,404,857,966 |
| Missouri State Highway Patrol | 293,912,000 | 26,501,044 | 73,311,616,203 |
| Kansas City Police Dept | 192 | 0 | 11,028 |
| ReJIS | 90,303,488 | 0 | 3,980,952,060 |
| Dept of Revenue | 150,819,325 | 0 | 285,835,065,578 |
| Lottery Commission | 179,980 | 0 | 42,440,583 |
| State Tax Commission | 27,832 | 0 | 6,648,936 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 1,673,511,176 | 3,671,156,464 | 620,355,819,789 |
| Dept of Corrections | 8,889,336 | 0 | 2,381,154,268 |
| Others | 1,287,284 | 0 | 915,898,364 |
| Agency Total : | 2,472,956,301 | 4,102,322,916 | 1,195,013,599,543 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>CICS Transactions</u> | <u>All Fusion Service Units</u> | <u>CPU Service Units</u> |
|-------------------------------|--------------------------|-------------------------------------|--------------------------|
| FOCUS Job Costs | 0 | 0 | 0 |
| CICS Job Costs | 0 | 0 | 0 |
| CPU Job Costs | 0 | 0 | 0 |
| DB2 Job Costs | 0 | 0 | 0 |
| IDMS Job Costs | 0 | 0 | 0 |
| IEF/COOLGen Job Costs | 0 | 0 | 0 |
| DSM Job Costs | 0 | 0 | 0 |
| VM Job Costs | 0 | 0 | 0 |
| AD-Exchange Job Costs | 0 | 0 | 0 |
| Print Job Costs | 0 | 0 | 0 |
| VDI Job Costs | 0 | 0 | 0 |
| Server Support Job Costs | 0 | 0 | 0 |
| TSM Job Costs | 0 | 0 | 0 |
| Data Domain Job Costs | 0 | 0 | 0 |
| SQL Job Costs | 0 | 0 | 0 |
| FTP Job Costs | 0 | 0 | 0 |
| SharePoint Internal Job Costs | 0 | 0 | 0 |
| SharePoint External Job Costs | 0 | 0 | 0 |
| TFS Job Costs | 0 | 0 | 0 |
| WAS Job Costs | 0 | 0 | 0 |
| SSRS Job Costs | 0 | 0 | 0 |
| JIRA Job Costs | 0 | 0 | 0 |
| Job Costs : | 0 | 0 | 0 |
| Grand Total : | 2,472,956,301 | 4,102,322,916 | 1,195,013,599,543 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>DistSys Backup Recovery</u> | <u>zOS Enterprise Data Backup</u> | <u>zOS DB2 Service Units</u> |
|--------------------------------------|------------------------------------|---------------------------------------|----------------------------------|
| Senate | 0 | 0 | 90,532,072 |
| House of Representatives | 0 | 0 | 97,862,384 |
| Legislative Research | 0 | 0 | 3,700,404 |
| State Courts Administrator | 0 | 1,340 | 613,078,832 |
| Secretary of State | 0 | 1,394 | 326,316,000 |
| Auditor | 0 | 114,171 | 24,865,552 |
| Treasurer | 6,244,362 | 1,891 | 20,250,740 |
| Attorney General | 0 | 0 | 77,432,828 |
| OA/ITSD Systems & Programming | 7,434,861 | 777,557 | 3,731,275,816 |
| OA/Missouri Ethics Commission | 0 | 0 | 3,838,224 |
| OA/Depty Commissioner | 3,129 | 0 | 39,567,452 |
| OA/Accounting | 0 | 2,986 | 3,103,361,280 |
| OA/Budget and Planning | 333 | 0 | 37,907,940 |
| OA/ITSD Production | 18,387,674 | 15,658,675 | 26,190,707,508 |
| OA/Design and Construction | 0 | 748 | 61,574,840 |
| OA/Personnel | 408,634 | 819 | 1,635,628,044 |
| OA/Purchasing | 57,340 | 17 | 200,205,916 |
| OA/General Services | 68,510 | 22,780 | 834,692,024 |
| OA/Facilities Management | 3,938,292 | 4,309 | 286,990,092 |
| OA/Administrative Hearing Commission | 923,036 | 0 | 8,272,988 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 6,244,362 | 0 | 273,921,640 |
| Dept of Insurance | 6,244,362 | 4,333 | 425,298,004 |
| Dept of Conservation | 0 | 0 | 251,527,456 |
| Dept of Economic Development | 18,733,086 | 311,394 | 598,932,464 |
| Dept of Elementary & Secondary ED | 24,977,447 | 1 | 1,765,931,464 |
| Dept of Higher Education | 6,244,362 | 0 | 166,604,480 |
| Dept of Health & SS | 24,977,447 | 659,653 | 12,381,947,608 |
| Dept of Transportation | 0 | 612 | 2,657,793,996 |
| Dept of Labor & Industrial Relation | 43,710,533 | 12,686,475 | 5,786,355,336 |
| Dept of Mental Health | 99,909,790 | 1,620,716 | 14,839,264,544 |
| Dept of Natural Resources | 74,932,342 | 631,020 | 7,376,485,300 |
| Dept of Public Safety | 6,244,362 | 1 | 1,446,484,844 |
| Missouri State Highway Patrol | 0 | 1,292,424 | 35,872,791,836 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 56,199,257 | 24,086,142 | 147,892,709,249 |
| Lottery Commission | 0 | 0 | 45,020,884 |
| State Tax Commission | 0 | 3 | 7,255,872 |
| Highway Reciprocity Commission | 0 | 2,863 | 0 |
| Dept of Social Services | 49,954,895 | 28,826,678 | 694,979,042,856 |
| Dept of Corrections | 12,488,724 | 0 | 2,469,721,796 |
| Others | 0 | 0 | 818,034,240 |
| Agency Total : | 468,327,139 | 86,709,004 | 967,443,184,805 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>DistSys Backup Recovery</u> | <u>zOS Enterprise Data Backup</u> | <u>zOS DB2 Service Units</u> |
|-------------------------------|------------------------------------|---------------------------------------|----------------------------------|
| FOCUS Job Costs | 0 | 0 | 0 |
| CICS Job Costs | 0 | 682,476 | 0 |
| CPU Job Costs | 0 | 31,042,826 | 0 |
| DB2 Job Costs | 0 | 2,022,202 | 0 |
| IDMS Job Costs | 0 | 159,223 | 0 |
| IEF/COOLGen Job Costs | 0 | 0 | 0 |
| DSM Job Costs | 0 | 0 | 0 |
| VM Job Costs | 0 | 0 | 0 |
| AD-Exchange Job Costs | 95,040,628 | 0 | 0 |
| Print Job Costs | 34,404 | 0 | 0 |
| VDI Job Costs | 0 | 0 | 0 |
| Server Support Job Costs | 0 | 0 | 0 |
| TSM Job Costs | 0 | 0 | 0 |
| Data Domain Job Costs | 0 | 0 | 0 |
| SQL Job Costs | 24,837,376 | 0 | 0 |
| FTP Job Costs | 0 | 0 | 0 |
| SharePoint Internal Job Costs | 0 | 0 | 0 |
| SharePoint External Job Costs | 0 | 0 | 0 |
| TFS Job Costs | 59,560 | 0 | 0 |
| WAS Job Costs | 0 | 0 | 0 |
| SSRS Job Costs | 0 | 0 | 0 |
| JIRA Job Costs | 0 | 0 | 0 |
| Job Costs : | 119,971,968 | 33,906,727 | 0 |
| Grand Total : | 588,299,107 | 120,615,731 | 967,443,184,805 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>zOS Data Storage</u> | <u>AD User ID</u> | <u>AD Exchange Mailboxes</u> |
|--------------------------------------|-------------------------|-------------------|----------------------------------|
| Senate | 0 | 48 | 0 |
| House of Representatives | 0 | 84 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 3 | 60 | 0 |
| Secretary of State | 194 | 1,704 | 0 |
| Auditor | 212 | 48 | 0 |
| Treasurer | 14 | 744 | 0 |
| Attorney General | 0 | 3,804 | 12 |
| OA/ITSD Systems & Programming | 212,643 | 0 | 6,252 |
| OA/Missouri Ethics Commission | 0 | 180 | 372 |
| OA/Depty Commissioner | 0 | 12 | 792 |
| OA/Accounting | 193 | 0 | 432 |
| OA/Budget and Planning | 0 | 24 | 816 |
| OA/ITSD Production | 940,845 | 192 | 2,532 |
| OA/Design and Construction | 15 | 0 | 0 |
| OA/Personnel | 3,822 | 84 | 852 |
| OA/Purchasing | 12 | 60 | 852 |
| OA/General Services | 1,233 | 192 | 1,284 |
| OA/Facilities Management | 215 | 588 | 8,184 |
| OA/Administrative Hearing Commission | 0 | 36 | 492 |
| OA/OIT | 0 | 4,680 | 19,980 |
| Dept of Agriculture | 0 | 324 | 4,464 |
| Dept of Insurance | 23 | 420 | 8,748 |
| Dept of Conservation | 1 | 108 | 0 |
| Dept of Economic Development | 22,927 | 18,480 | 8,040 |
| Dept of Elementary & Secondary ED | 0 | 6,132 | 19,512 |
| Dept of Higher Education | 0 | 780 | 1,164 |
| Dept of Health & SS | 9,516 | 6,048 | 29,028 |
| Dept of Transportation | 205 | 276 | 0 |
| Dept of Labor & Industrial Relation | 495,452 | 2,244 | 13,668 |
| Dept of Mental Health | 45,162 | 249,396 | 82,248 |
| Dept of Natural Resources | 7,210 | 17,592 | 25,152 |
| Dept of Public Safety | 1 | 1,560 | 14,748 |
| Missouri State Highway Patrol | 54,121 | 12 | 0 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 1,259,089 | 8,580 | 21,492 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 0 | 0 | 0 |
| Highway Reciprocity Commission | 396 | 0 | 0 |
| Dept of Social Services | 3,436,960 | 15,276 | 106,020 |
| Dept of Corrections | 0 | 4,596 | 163,200 |
| Others | 0 | 84 | 1,632 |
| Agency Total : | 6,490,466 | 344,448 | 541,968 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>zOS Data Storage</u> | <u>AD User ID</u> | <u>AD Exchange Mailboxes</u> |
|-------------------------------|-------------------------|-------------------|----------------------------------|
| FOCUS Job Costs | 0 | 0 | 0 |
| CICS Job Costs | 26,201 | 0 | 0 |
| CPU Job Costs | 629,611 | 88 | 1,044 |
| DB2 Job Costs | 445,293 | 0 | 0 |
| IDMS Job Costs | 48,533 | 0 | 0 |
| IEF/COOLGen Job Costs | 0 | 0 | 0 |
| DSM Job Costs | 54,750 | 0 | 0 |
| VM Job Costs | 0 | 0 | 0 |
| AD-Exchange Job Costs | 0 | 0 | 0 |
| Print Job Costs | 0 | 0 | 0 |
| VDI Job Costs | 0 | 0 | 0 |
| Server Support Job Costs | 0 | 0 | 0 |
| TSM Job Costs | 0 | 0 | 0 |
| Data Domain Job Costs | 0 | 0 | 0 |
| SQL Job Costs | 0 | 0 | 0 |
| FTP Job Costs | 0 | 0 | 0 |
| SharePoint Internal Job Costs | 0 | 0 | 0 |
| SharePoint External Job Costs | 0 | 0 | 0 |
| TFS Job Costs | 0 | 0 | 0 |
| WAS Job Costs | 0 | 0 | 0 |
| SSRS Job Costs | 0 | 0 | 0 |
| JIRA Job Costs | 0 | 0 | 0 |
| Job Costs : | 1,204,388 | 88 | 1,044 |
| Grand Total : | 7,694,854 | 344,536 | 543,012 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>zOS IDMS</u> | <u>Print (Lines)</u> | <u>Print (Laser)</u> |
|--------------------------------------|--------------------|--------------------------|--------------------------|
| Senate | 0 | 0 | 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 116,532 | 0 | 244 |
| Secretary of State | 328 | 0 | 0 |
| Auditor | 0 | 0 | 648 |
| Treasurer | 0 | 0 | 0 |
| Attorney General | 0 | 0 | 0 |
| OA/ITSD Systems & Programming | 18,024 | 0 | 7,354 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 0 | 0 | 0 |
| OA/Accounting | 0 | 196,092 | 42,616 |
| OA/Budget and Planning | 0 | 0 | 5,032 |
| OA/ITSD Production | 0 | 0 | 898,291 |
| OA/Design and Construction | 0 | 0 | 0 |
| OA/Personnel | 9,856 | 0 | 6,224 |
| OA/Purchasing | 0 | 0 | 5,864 |
| OA/General Services | 1,328 | 70,632 | 83,360 |
| OA/Facilities Management | 0 | 0 | 19,592 |
| OA/Administrative Hearing Commission | 0 | 0 | 0 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 0 | 0 | 0 |
| Dept of Insurance | 18,920 | 0 | 0 |
| Dept of Conservation | 258,256 | 0 | 312 |
| Dept of Economic Development | 32,480 | 0 | 312 |
| Dept of Elementary & Secondary ED | 0 | 0 | 0 |
| Dept of Higher Education | 0 | 0 | 72 |
| Dept of Health & SS | 19,553,348 | 238,684 | 137,912 |
| Dept of Transportation | 36,776 | 0 | 132 |
| Dept of Labor & Industrial Relation | 628,420 | 0 | 8,249 |
| Dept of Mental Health | 67,912 | 0 | 0 |
| Dept of Natural Resources | 0 | 0 | 3,068 |
| Dept of Public Safety | 0 | 0 | 0 |
| Missouri State Highway Patrol | 14,928,592 | 0 | 31,580 |
| Kansas City Police Dept | 44 | 0 | 0 |
| ReJIS | 14,993,960 | 0 | 0 |
| Dept of Revenue | 147,004,612 | 1,229,536 | 11,579,142 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 0 | 0 | 0 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 181,622,308 | 552,708 | 35,803,740 |
| Dept of Corrections | 0 | 0 | 0 |
| Others | 264,220 | 0 | 0 |
| Agency Total : | 379,555,916 | 2,287,652 | 48,633,744 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>zOS IDMS</u> | <u>Print (Lines)</u> | <u>Print (Laser)</u> |
|-------------------------------|--------------------|--------------------------|--------------------------|
| FOCUS Job Costs | 0 | 0 | 0 |
| CICS Job Costs | 0 | 0 | 748 |
| CPU Job Costs | 0 | 12,576 | 31,048 |
| DB2 Job Costs | 0 | 0 | 324 |
| IDMS Job Costs | 0 | 0 | 0 |
| IEF/COOLGen Job Costs | 0 | 0 | 0 |
| DSM Job Costs | 0 | 0 | 0 |
| VM Job Costs | 0 | 0 | 0 |
| AD-Exchange Job Costs | 0 | 0 | 0 |
| Print Job Costs | 0 | 0 | 0 |
| VDI Job Costs | 0 | 0 | 0 |
| Server Support Job Costs | 0 | 0 | 0 |
| TSM Job Costs | 0 | 0 | 0 |
| Data Domain Job Costs | 0 | 0 | 0 |
| SQL Job Costs | 0 | 0 | 0 |
| FTP Job Costs | 0 | 0 | 0 |
| SharePoint Internal Job Costs | 0 | 0 | 0 |
| SharePoint External Job Costs | 0 | 0 | 0 |
| TFS Job Costs | 0 | 0 | 0 |
| WAS Job Costs | 0 | 0 | 0 |
| SSRS Job Costs | 0 | 0 | 0 |
| JIRA Job Costs | 0 | 0 | 0 |
| Job Costs : | 0 | 12,576 | 32,120 |
| Grand Total : | 379,555,916 | 2,300,228 | 48,665,864 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>VM Images</u> | <u>Physical Server Support</u> | <u>SAN Storage</u> |
|--------------------------------------|------------------|------------------------------------|--------------------|
| Senate | 0 | 0 | 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 0 | 0 | 0 |
| Secretary of State | 0 | 0 | 0 |
| Auditor | 171 | 0 | 62,016 |
| Treasurer | 171 | 0 | 62,016 |
| Attorney General | 0 | 0 | 0 |
| OA/ITSD Systems & Programming | 784 | 0 | 222,529 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 0 | 0 | 42 |
| OA/Accounting | 0 | 0 | 0 |
| OA/Budget and Planning | 15 | 0 | 0 |
| OA/ITSD Production | 382 | 156 | 140,665 |
| OA/Design and Construction | 0 | 0 | 0 |
| OA/Personnel | 0 | 0 | 597 |
| OA/Purchasing | 0 | 0 | 0 |
| OA/General Services | 0 | 0 | 0 |
| OA/Facilities Management | 162 | 12 | 62,730 |
| OA/Administrative Hearing Commission | 29 | 0 | 7,552 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 171 | 0 | 62,016 |
| Dept of Insurance | 343 | 24 | 124,033 |
| Dept of Conservation | 0 | 0 | 0 |
| Dept of Economic Development | 343 | 132 | 124,033 |
| Dept of Elementary & Secondary ED | 686 | 0 | 372,098 |
| Dept of Higher Education | 343 | 0 | 62,016 |
| Dept of Health & SS | 1,543 | 12 | 434,114 |
| Dept of Transportation | 0 | 0 | 0 |
| Dept of Labor & Industrial Relation | 686 | 12 | 186,049 |
| Dept of Mental Health | 1,715 | 240 | 868,228 |
| Dept of Natural Resources | 686 | 12 | 682,179 |
| Dept of Public Safety | 343 | 0 | 62,016 |
| Missouri State Highway Patrol | 0 | 0 | 0 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 1,715 | 36 | 434,114 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 0 | 0 | 0 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 857 | 168 | 310,082 |
| Dept of Corrections | 343 | 0 | 62,016 |
| Others | 0 | 0 | 0 |
| Agency Total : | 11,488 | 804 | 4,341,141 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>VM Images</u> | <u>Physical Server Support</u> | <u>SAN Storage</u> |
|-------------------------------|------------------|------------------------------------|--------------------|
| FOCUS Job Costs | 0 | 0 | 0 |
| CICS Job Costs | 0 | 0 | 0 |
| CPU Job Costs | 0 | 0 | 0 |
| DB2 Job Costs | 0 | 0 | 0 |
| IDMS Job Costs | 0 | 0 | 0 |
| IEF/COOLGen Job Costs | 0 | 0 | 0 |
| DSM Job Costs | 0 | 0 | 0 |
| VM Job Costs | 0 | 0 | 334,247 |
| AD-Exchange Job Costs | 1,227 | 696 | 617,056 |
| Print Job Costs | 73 | 0 | 2,344 |
| VDI Job Costs | 0 | 0 | 0 |
| Server Support Job Costs | 0 | 0 | 0 |
| TSM Job Costs | 284 | 0 | 0 |
| Data Domain Job Costs | 0 | 0 | 0 |
| SQL Job Costs | 3,711 | 0 | 906,845 |
| FTP Job Costs | 0 | 0 | 0 |
| SharePoint Internal Job Costs | 0 | 0 | 0 |
| SharePoint External Job Costs | 0 | 0 | 0 |
| TFS Job Costs | 45 | 0 | 0 |
| WAS Job Costs | 0 | 0 | 0 |
| SSRS Job Costs | 0 | 0 | 0 |
| JIRA Job Costs | 0 | 0 | 0 |
| Job Costs : | 5,340 | 696 | 1,860,491 |
| Grand Total : | 16,828 | 1,500 | 6,201,632 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>WAS Image</u> | <u>VRanger - Data Domain</u> | <u>Remote Server Support</u> |
|--------------------------------------|------------------|----------------------------------|----------------------------------|
| Senate | 0 | 0 | 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 0 | 0 | 0 |
| Secretary of State | 0 | 0 | 0 |
| Auditor | 0 | 0 | 0 |
| Treasurer | 0 | 0 | 0 |
| Attorney General | 0 | 0 | 0 |
| OA/ITSD Systems & Programming | 0 | 0 | 0 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 0 | 0 | 0 |
| OA/Accounting | 25 | 0 | 0 |
| OA/Budget and Planning | 0 | 0 | 0 |
| OA/ITSD Production | 0 | 0 | 264 |
| OA/Design and Construction | 0 | 0 | 0 |
| OA/Personnel | 0 | 0 | 0 |
| OA/Purchasing | 0 | 0 | 0 |
| OA/General Services | 0 | 0 | 0 |
| OA/Facilities Management | 0 | 0 | 108 |
| OA/Administrative Hearing Commission | 0 | 0 | 0 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 0 | 0 | 0 |
| Dept of Insurance | 0 | 0 | 108 |
| Dept of Conservation | 0 | 0 | 0 |
| Dept of Economic Development | 0 | 0 | 12 |
| Dept of Elementary & Secondary ED | 0 | 0 | 468 |
| Dept of Higher Education | 27 | 0 | 0 |
| Dept of Health & SS | 0 | 0 | 228 |
| Dept of Transportation | 0 | 0 | 0 |
| Dept of Labor & Industrial Relation | 34 | 0 | 180 |
| Dept of Mental Health | 0 | 0 | 1,728 |
| Dept of Natural Resources | 28 | 0 | 288 |
| Dept of Public Safety | 0 | 0 | 240 |
| Missouri State Highway Patrol | 0 | 0 | 0 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 27 | 0 | 72 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 0 | 0 | 0 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 0 | 0 | 2,304 |
| Dept of Corrections | 27 | 0 | 1,176 |
| Others | 0 | 0 | 0 |
| Agency Total : | 168 | 0 | 7,176 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>WAS Image</u> | <u>VRanger - Data Domain</u> | <u>Remote Server Support</u> |
|-------------------------------|------------------|----------------------------------|----------------------------------|
| FOCUS Job Costs | 0 | 0 | 0 |
| CICS Job Costs | 0 | 0 | 0 |
| CPU Job Costs | 0 | 0 | 0 |
| DB2 Job Costs | 0 | 0 | 0 |
| IDMS Job Costs | 0 | 0 | 0 |
| IEF/COOLGen Job Costs | 0 | 0 | 0 |
| DSM Job Costs | 0 | 0 | 0 |
| VM Job Costs | 0 | 0 | 0 |
| AD-Exchange Job Costs | 0 | 0 | 504 |
| Print Job Costs | 0 | 0 | 0 |
| VDI Job Costs | 0 | 0 | 0 |
| Server Support Job Costs | 0 | 0 | 0 |
| TSM Job Costs | 0 | 0 | 0 |
| Data Domain Job Costs | 0 | 0 | 0 |
| SQL Job Costs | 0 | 0 | 0 |
| FTP Job Costs | 0 | 0 | 0 |
| SharePoint Internal Job Costs | 0 | 0 | 0 |
| SharePoint External Job Costs | 0 | 0 | 0 |
| TFS Job Costs | 0 | 0 | 0 |
| WAS Job Costs | 0 | 0 | 0 |
| SSRS Job Costs | 0 | 0 | 0 |
| JIRA Job Costs | 0 | 0 | 0 |
| Job Costs : | 0 | 0 | 504 |
| Grand Total : | 168 | 0 | 7,680 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>VDI</u> | <u>SQL Base</u> | <u>SQL Memory</u> |
|--------------------------------------|---------------|-----------------|-------------------|
| Senate | 0 | 0 | 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 0 | 0 | 0 |
| Secretary of State | 16 | 0 | 0 |
| Auditor | 0 | 0 | 0 |
| Treasurer | 0 | 0 | 0 |
| Attorney General | 0 | 0 | 0 |
| OA/ITSD Systems & Programming | 4,097 | 791 | 254 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 160 | 10 | 3 |
| OA/Accounting | 160 | 0 | 0 |
| OA/Budget and Planning | 112 | 5 | 2 |
| OA/ITSD Production | 1,109 | 10,145 | 3,255 |
| OA/Design and Construction | 0 | 15 | 5 |
| OA/Personnel | 145 | 99 | 32 |
| OA/Purchasing | 0 | 15 | 5 |
| OA/General Services | 514 | 214 | 69 |
| OA/Facilities Management | 129 | 826 | 265 |
| OA/Administrative Hearing Commission | 0 | 30 | 9 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 161 | 663 | 213 |
| Dept of Insurance | 2,507 | 515 | 165 |
| Dept of Conservation | 0 | 10 | 3 |
| Dept of Economic Development | 1,350 | 660 | 212 |
| Dept of Elementary & Secondary ED | 1,173 | 3,043 | 976 |
| Dept of Higher Education | 64 | 196 | 63 |
| Dept of Health & SS | 2,973 | 3,119 | 1,001 |
| Dept of Transportation | 0 | 0 | 0 |
| Dept of Labor & Industrial Relation | 1,591 | 251 | 81 |
| Dept of Mental Health | 594 | 13,572 | 4,355 |
| Dept of Natural Resources | 2,732 | 319 | 102 |
| Dept of Public Safety | 755 | 751 | 241 |
| Missouri State Highway Patrol | 0 | 0 | 0 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 2,057 | 2,824 | 906 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 129 | 20 | 7 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 7,070 | 936 | 300 |
| Dept of Corrections | 402 | 91 | 29 |
| Others | 0 | 0 | 0 |
| Agency Total : | 30,000 | 39,120 | 12,553 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>VDI</u> | <u>SQL Base</u> | <u>SQL Memory</u> |
|-------------------------------|---------------|-----------------|-------------------|
| FOCUS Job Costs | 0 | 0 | 0 |
| CICS Job Costs | 0 | 0 | 0 |
| CPU Job Costs | 0 | 0 | 0 |
| DB2 Job Costs | 0 | 0 | 0 |
| IDMS Job Costs | 0 | 0 | 0 |
| IEF/COOLGen Job Costs | 0 | 0 | 0 |
| DSM Job Costs | 0 | 0 | 0 |
| VM Job Costs | 0 | 0 | 0 |
| AD-Exchange Job Costs | 0 | 0 | 0 |
| Print Job Costs | 0 | 0 | 0 |
| VDI Job Costs | 0 | 0 | 0 |
| Server Support Job Costs | 0 | 0 | 0 |
| TSM Job Costs | 0 | 0 | 0 |
| Data Domain Job Costs | 0 | 0 | 0 |
| SQL Job Costs | 0 | 0 | 0 |
| FTP Job Costs | 0 | 0 | 0 |
| SharePoint Internal Job Costs | 0 | 0 | 0 |
| SharePoint External Job Costs | 0 | 0 | 0 |
| TFS Job Costs | 0 | 59 | 19 |
| WAS Job Costs | 0 | 0 | 0 |
| SSRS Job Costs | 0 | 0 | 0 |
| JIRA Job Costs | 0 | 0 | 0 |
| Job Costs : | 0 | 59 | 19 |
| Grand Total : | 30,000 | 39,179 | 12,572 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>SQL Overage</u> | <u>SQL License</u> | <u>TFS</u> |
|--------------------------------------|--------------------|--------------------|------------|
| Senate | 0 | 0 | 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 0 | 0 | 0 |
| Secretary of State | 0 | 0 | 0 |
| Auditor | 0 | 0 | 0 |
| Treasurer | 0 | 0 | 0 |
| Attorney General | 0 | 0 | 0 |
| OA/TTSD Systems & Programming | 9,662 | 91 | 0 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 124 | 1 | 0 |
| OA/Accounting | 0 | 0 | 17 |
| OA/Budget and Planning | 62 | 1 | 0 |
| OA/TTSD Production | 123,980 | 1,164 | 2 |
| OA/Design and Construction | 185 | 2 | 0 |
| OA/Personnel | 1,207 | 11 | 0 |
| OA/Purchasing | 185 | 2 | 0 |
| OA/General Services | 2,615 | 25 | 0 |
| OA/Facilities Management | 10,090 | 95 | 0 |
| OA/Administrative Hearing Commission | 361 | 3 | 0 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 8,102 | 76 | 5 |
| Dept of Insurance | 6,294 | 59 | 5 |
| Dept of Conservation | 124 | 1 | 0 |
| Dept of Economic Development | 8,063 | 76 | 18 |
| Dept of Elementary & Secondary ED | 37,187 | 349 | 18 |
| Dept of Higher Education | 2,401 | 23 | 0 |
| Dept of Health & SS | 38,119 | 358 | 0 |
| Dept of Transportation | 0 | 0 | 0 |
| Dept of Labor & Industrial Relation | 3,069 | 29 | 17 |
| Dept of Mental Health | 165,851 | 1,557 | 15 |
| Dept of Natural Resources | 3,896 | 37 | 5 |
| Dept of Public Safety | 9,177 | 86 | 0 |
| Missouri State Highway Patrol | 0 | 0 | 0 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 34,510 | 324 | 15 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 248 | 2 | 0 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 11,439 | 107 | 15 |
| Dept of Corrections | 1,109 | 10 | 0 |
| Others | 0 | 0 | 0 |
| Agency Total : | 478,060 | 4,489 | 132 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>SQL Overage</u> | <u>SQL License</u> | <u>TFS</u> |
|-------------------------------|--------------------|--------------------|------------|
| FOCUS Job Costs | 0 | 0 | 0 |
| CICS Job Costs | 0 | 0 | 0 |
| CPU Job Costs | 0 | 0 | 0 |
| DB2 Job Costs | 0 | 0 | 0 |
| IDMS Job Costs | 0 | 0 | 0 |
| IEF/COOLGen Job Costs | 0 | 0 | 0 |
| DSM Job Costs | 0 | 0 | 0 |
| VM Job Costs | 0 | 0 | 0 |
| AD-Exchange Job Costs | 0 | 0 | 0 |
| Print Job Costs | 0 | 0 | 0 |
| VDI Job Costs | 0 | 0 | 0 |
| Server Support Job Costs | 0 | 0 | 0 |
| TSM Job Costs | 0 | 0 | 0 |
| Data Domain Job Costs | 0 | 0 | 0 |
| SQL Job Costs | 0 | 0 | 0 |
| FTP Job Costs | 0 | 0 | 0 |
| SharePoint Internal Job Costs | 0 | 0 | 0 |
| SharePoint External Job Costs | 0 | 0 | 0 |
| TFS Job Costs | 725 | 7 | 0 |
| WAS Job Costs | 0 | 0 | 0 |
| SSRS Job Costs | 0 | 0 | 0 |
| JIRA Job Costs | 0 | 0 | 0 |
| Job Costs : | 725 | 7 | 0 |
| Grand Total : | 478,785 | 4,496 | 132 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>Enterprise Fax Services</u> |
|--------------------------------------|------------------------------------|
| Senate | 0 |
| House of Representatives | 0 |
| Legislative Research | 0 |
| State Courts Administrator | 0 |
| Secretary of State | 0 |
| Auditor | 0 |
| Treasurer | 0 |
| Attorney General | 0 |
| OA/ITSD Systems & Programming | 0 |
| OA/Missouri Ethics Commission | 0 |
| OA/Depty Commissioner | 0 |
| OA/Accounting | 0 |
| OA/Budget and Planning | 0 |
| OA/ITSD Production | 526 |
| OA/Design and Construction | 0 |
| OA/Personnel | 0 |
| OA/Purchasing | 0 |
| OA/General Services | 0 |
| OA/Facilities Management | 0 |
| OA/Administrative Hearing Commission | 0 |
| OA/OIT | 239,209 |
| Dept of Agriculture | 1,037 |
| Dept of Insurance | 580 |
| Dept of Conservation | 0 |
| Dept of Economic Development | 0 |
| Dept of Elementary & Secondary ED | 2,750 |
| Dept of Higher Education | 0 |
| Dept of Health & SS | 36,089 |
| Dept of Transportation | 344,035 |
| Dept of Labor & Industrial Relation | 2,076,872 |
| Dept of Mental Health | 4,412 |
| Dept of Natural Resources | 0 |
| Dept of Public Safety | 4,880 |
| Missouri State Highway Patrol | 0 |
| Kansas City Police Dept | 0 |
| ReJIS | 0 |
| Dept of Revenue | 595,462 |
| Lottery Commission | 0 |
| State Tax Commission | 0 |
| Highway Reciprocity Commission | 0 |
| Dept of Social Services | 18 |
| Dept of Corrections | 1 |
| Others | 0 |
| Agency Total : | 3,305,871 |

State Data Center
Cost Allocation Plan
Fiscal Year 2014

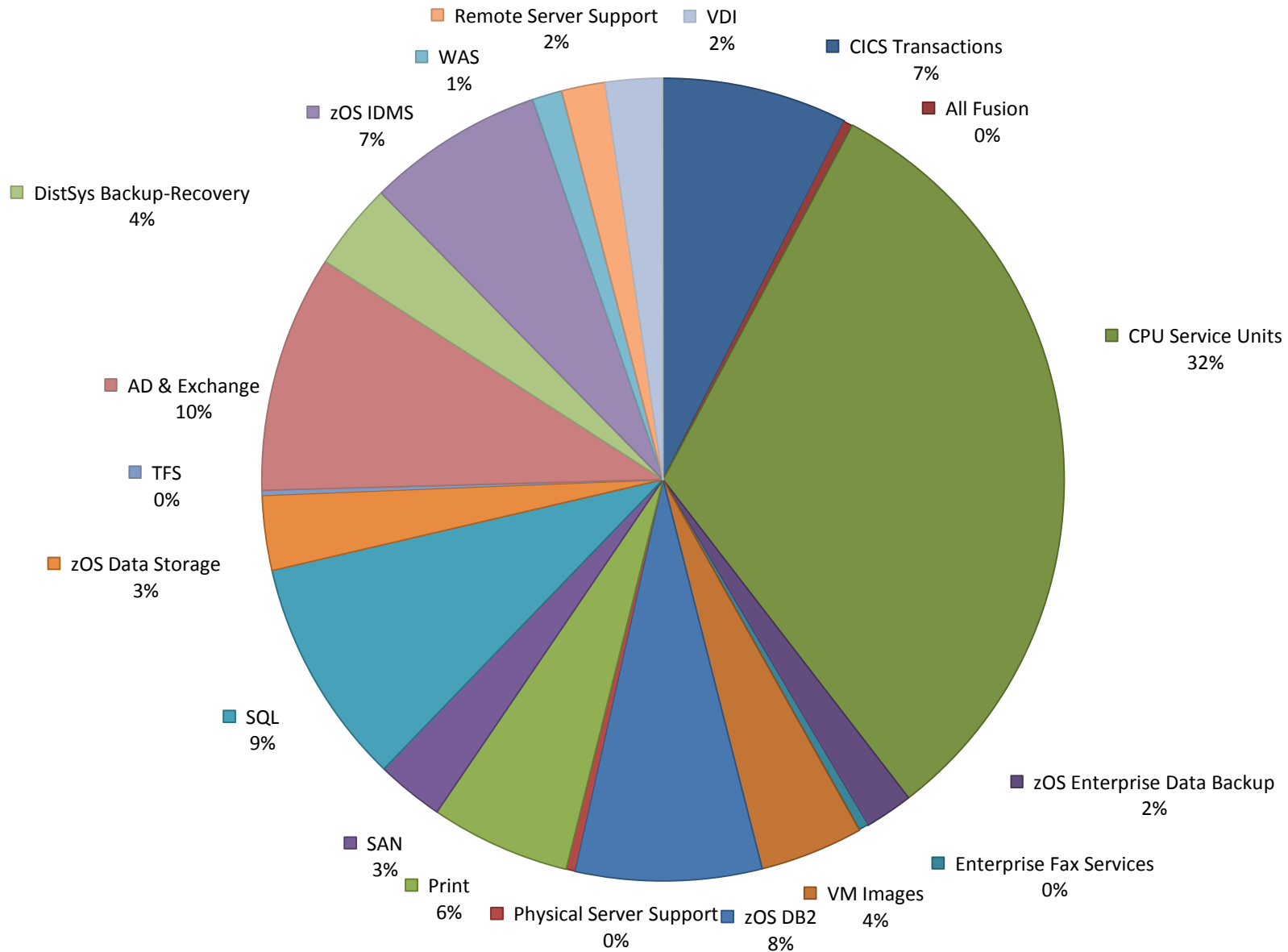


FY14 Utilization Estimates by Customer

| <u>Agency</u> | <u>Enterprise Fax Services</u> |
|-------------------------------|------------------------------------|
| FOCUS Job Costs | 0 |
| CICS Job Costs | 0 |
| CPU Job Costs | 0 |
| DB2 Job Costs | 0 |
| IDMS Job Costs | 0 |
| IEF/COOLGen Job Costs | 0 |
| DSM Job Costs | 0 |
| VM Job Costs | 0 |
| AD-Exchange Job Costs | 0 |
| Print Job Costs | 0 |
| VDI Job Costs | 0 |
| Server Support Job Costs | 0 |
| TSM Job Costs | 0 |
| Data Domain Job Costs | 0 |
| SQL Job Costs | 0 |
| FTP Job Costs | 0 |
| SharePoint Internal Job Costs | 0 |
| SharePoint External Job Costs | 0 |
| TFS Job Costs | 0 |
| WAS Job Costs | 0 |
| SSRS Job Costs | 0 |
| JIRA Job Costs | 0 |
| Job Costs : | 0 |
| Grand Total : | 3,305,871 |

Billing Rate Derivation (E)

FY14 State Data Center Percent of Total Cost per Rate Category



**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #1

Unit of Service: Lines/Feet Printed
Estimated Utilization: 48,693,300

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|-------------------------------|--|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 204,194 | 206,201 |
| 3 | Technical Support Personnel | 0 | 0 |
| 4 | Fringe Benefits | 83,720 | 84,543 |
| | Total Personnel | \$287,914 | \$290,744 |
| 116 | InfoPrint 4000 Upgrade | 300,000 | 0 |
| | Total Hardware Lease | \$300,000 | \$0 |
| 222 | Print Unwinder/Job Sep/CTS | 85,825 | 90,000 |
| 223 | Printer Usage | 181,000 | 205,000 |
| 224 | Printer-Impact | 1,500 | 5,200 |
| 225 | Printer-Laser | 86,967 | 78,000 |
| | Total Hardware Maintenance | \$355,292 | \$378,200 |
| 311 | AFP Toolbox (Toolkit) | 3,540 | 3,540 |
| 328 | OGL/370 V1 | 5,220 | 7,830 |
| 330 | Page Print Format Aid/370 V1 | 3,660 | 3,660 |
| 332 | PSF/MVS | 20,748 | 65,000 |
| | Total Software Lease | \$33,168 | \$80,030 |
| 456 | Distributed Print Software Maintenance | 0 | 30,545 |
| | Total Software Maintenance | \$0 | \$30,545 |
| 520 | InfoPrint Hardware Purchase | 0 | 66,667 |
| | Total Hardware Purchase | \$0 | \$66,667 |
| 602 | Distributed Print Software | 0 | 27,333 |
| | Total Software Purchase | \$0 | \$27,333 |
| 704 | Paper | 285,000 | 335,000 |
| 705 | Paper Storage and Transport Transfer | 10,750 | 0 |
| 706 | Printer Supplies | 195,000 | 205,000 |
| | Total Expendable Supplies | \$490,750 | \$540,000 |
| 829 | Shredding | 1,500 | 1,500 |
| | Total General Support Expense | \$1,500 | \$1,500 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



Print Rate Derivation continued

| <u>Item</u> | | | |
|---|-------------------------|--------------------|--------------------|
| <u>Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
| Total Expense + Equipment: | | \$1,180,710 | \$1,124,275 |
| Total Personnel and Expense + Equipment: | | \$1,468,624 | \$1,415,019 |
| Indirect Costs Allocated: | | \$176,718 | \$127,405 |
| Job Costs: | | | |
| | SAN | | \$404 |
| | VM | | \$7,297 |
| | DistSys Backup-Recovery | | \$71 |
| Total JobCosts: | | \$4,720 | \$7,772 |
| Total Costs: | | \$1,650,063 | \$1,550,196 |

Rate Calculation Laser Feet Printed:

Total Costs/Utilization

$$\frac{\$1,550,196}{48,693,300} = \$0.03184 \text{ per foot}$$

Rate Calculation Duplex Printed:

Laser Rate x .80

$$\$0.03184 \times .80 = \$0.02547 \text{ per foot}$$

Rate Calculation Impact Print

Laser Rate / 83.83 * 1,000

$$\$0.03184 / 83.833 \times 1,000 = \$0.37973 \text{ per 1,000 lines}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #2

Unit of Service: CPU Service Units
Estimated Utilization: 1,195,013,599,543

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|-----------------------------------|--|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 632,030 | 638,242 |
| 3 | Technical Support Personnel | 534,219 | 402,922 |
| 4 | Fringe Benefits | 478,162 | 426,877 |
| Total Personnel | | \$1,644,412 | \$1,468,041 |
| 103 | CPU Lease | 0 | 420,000 |
| 104 | CPU Annual Growth Upgrades | 642,800 | 0 |
| 108 | Disaster Recovery CPU (Springfield Site) | 242,823 | 242,823 |
| Total Hardware Lease | | \$885,623 | \$662,823 |
| 204 | CPU Maintenance | 398,839 | 418,781 |
| 214 | External Coupling Facility | 21,857 | 22,950 |
| 230 | Service Processor | 723 | 1,800 |
| 239 | Batteries/UPS Maintenance | 0 | 50,276 |
| 240 | Generator Maintenance | 0 | 7,741 |
| 241 | Console Support Controller | 1,290 | 0 |
| Total Hardware Maintenance | | \$422,709 | \$501,548 |
| 301 | ACF/NCP | 10,380 | 10,380 |
| 302 | ACF/SSP | 19,080 | 19,080 |
| 304 | ASF V3 Base plus Document Writing | 23,232 | 23,232 |
| 305 | BMC Mainview | 71,600 | 71,600 |
| 308 | COBOL for OS/390 & VM Alt | 132,828 | 132,828 |
| 309 | MacKinney Software | 8,093 | 7,245 |
| 310 | DCF Base | 27,960 | 27,960 |
| 319 | IBM Websphere App Svr V5 (WAS for z/OS) | 63,771 | 177,000 |
| 321 | Interactive Output Facility (IOF) | 6,321 | 5,800 |
| 329 | OS/390 Version 2 | 2,044,945 | 1,965,000 |
| 331 | PL/1 Alternate Function | 120,396 | 140,568 |
| Total Software Lease | | \$2,528,606 | \$2,580,693 |
| 404 | CA Intertest W/XA-ESA-Batch | 76,240 | 83,864 |
| 406 | CA Librarian | 171,626 | 188,788 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



CPU Rate Derivation continued

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|-----------------------------------|--|--------------------|--------------------|
| 408 | CA Restart/Recover (CA11) | 55,377 | 60,915 |
| 410 | CA Scheduling Package (CA7) | 163,317 | 179,649 |
| 413 | IBM Tivoli Omegamon DE V3 | 45,813 | 45,813 |
| 414 | IBM Tivoli Omegamon XE CICS V3 | 45,813 | 45,813 |
| 415 | CL/Supersession for z/OS | 48,104 | 48,104 |
| 417 | IBM Tivoli Omegamon XE z/OS V2 | 91,626 | 91,626 |
| 418 | Catalog/ Disk / HSM Audit and Recovery Utilities | 21,820 | 27,225 |
| 420 | Allen System Group Job Scan/Docu Text | 43,859 | 43,859 |
| 421 | Document Management Systems (MOBIUS) | 87,486 | 87,486 |
| 422 | Dumpmaster MVS | 104,895 | 104,895 |
| 423 | Group 1 Software MailStream Plus | 10,766 | 21,434 |
| 424 | Group 1 Software Zip+4 (Code-1 Plus) | 24,690 | 25,925 |
| 425 | IBIFOCUS | 0 | 515,000 |
| 429 | Insync MVS | 89,817 | 89,817 |
| 430 | IPSwitch Renewal | 6,500 | 6,500 |
| 431 | TicToc | 7,608 | 7,608 |
| 433 | LOTUS Domino V6 | 13,886 | 0 |
| 434 | Connect:Direct | 12,000 | 12,000 |
| 435 | Merrill Consultants MXG | 3,000 | 0 |
| 436 | MVS Quick Reference | 37,192 | 31,250 |
| 443 | SAS Base | 153,050 | 153,050 |
| 444 | SAS/ STAT | 96,780 | 96,780 |
| 445 | SAS/ACCESS | 96,780 | 96,780 |
| 447 | SAS/ETS | 48,390 | 48,390 |
| 452 | SI SyncSort | 18,688 | 20,811 |
| 454 | SPC Systems - COBOL Report Writer Precompiler | 2,849 | 2,849 |
| 463 | Vanguard Security Reporter | 51,507 | 51,505 |
| 466 | BMC Event Manager | 15,000 | 0 |
| 472 | SDI TN3270 Emulation | 13,500 | 11,128 |
| 475 | GSF STEPLIB/LLIBEF | 3,000 | 3,000 |
| Total Software Maintenance | | \$1,660,979 | \$2,201,864 |
| 506 | Desktop Computer Equipment | 0 | 6,681 |
| 509 | Tools for Staff | 0 | 38,000 |
| Total Hardware Purchase | | \$0 | \$44,681 |

State Data Center Cost Allocation Plan Fiscal Year 2014



CPU Rate Derivation continued

| <u>Item</u> <u>Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|---|--|--------------------|--------------------|
| 603 | Software Upgrade | 0 | 0 |
| | Total Software Purchase | \$0 | \$0 |
| 703 | Network Supplies | 5,000 | 0 |
| | Total Expendable Supplies | \$5,000 | \$0 |
| 818 | S390 SoftwarExcel | 152,181 | 152,181 |
| 831 | Disaster Recovery Rental (Springnet) | 112,380 | 115,000 |
| 832 | Disaster Recovery Electric (Springnet) | 30,000 | 38,000 |
| | Total General Support Expense | \$294,561 | \$305,181 |
| Total Expense + Equipment: | | \$5,797,478 | \$6,296,790 |
| Total Personnel and Expense + Equipment: | | \$7,441,890 | \$7,764,831 |
| Indirect Costs Allocated: | | \$895,477 | \$699,127 |
| Job Costs: | | | |
| | Lines Printed | | \$5 |
| | zOS Enterprise Data Backup | | \$192,661 |
| | Laser Feet Printed | | \$988 |
| | zOS Data Storage | | \$80,679 |
| | AD | | \$67 |
| | AD - Exchange | | \$4,558 |
| Total JobCosts: | | \$715,602 | \$278,958 |
| Total Costs: | | \$9,052,970 | \$8,742,917 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$8,742,917}{1,195,013,599,543} \times 1,000 = \$0.00732 \text{ per 1,000 Service Units}$$

Prime\Peak Time Utilization for CPU will be billed at 100% of the CPU Rate.

Non-Prime\Off Hours Utilization for CPU will be billed at 75% of the CPU Rate.

Low Priority Utiliztaion for CPU will be billed at 65% of the CPU Rate.

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #3

Unit of Service: CICS Transactions
Estimated Utilization: 2,472,956,301

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|---|-------------------------------|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 58,341 | 58,915 |
| 3 | Technical Support Personnel | 178,073 | 115,120 |
| 4 | Fringe Benefits | 96,930 | 71,354 |
| Total Personnel | | \$333,344 | \$245,390 |
| 306 | CICS Transaction Gateway | 48,585 | 48,585 |
| 307 | CICS/TS V5 | 1,093,296 | 1,093,296 |
| 324 | WebSphere MQ for Z/OS | 349,596 | 459,710 |
| 333 | SDF II MVS | 27,300 | 27,300 |
| Total Software Lease | | \$1,518,777 | \$1,628,891 |
| 405 | CA Interrest W/XA-ESA-CICS | 105,282 | 0 |
| Total Software Maintenance | | \$105,282 | \$0 |
| Total Expense + Equipment: | | \$1,624,059 | \$1,628,891 |
| Total Personnel and Expense + Equipment: | | \$1,957,403 | \$1,874,281 |
| Indirect Costs Allocated: | | \$235,533 | \$168,756 |
| Job Costs: | | | |
| | zOS Enterprise Data Backup | | \$4,236 |
| | Laser Feet Printed | | \$24 |
| | zOS Data Storage | | \$3,357 |
| Total JobCosts: | | \$9,445 | \$7,617 |
| Total Costs: | | \$2,202,381 | \$2,050,653 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,050,653}{2,472,956,301} = \$0.00083 \text{ per Transaction}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #5

Unit of Service: zOS Enterprise Data Backup/Gigabyte Day
Estimated Utilization: 120,615,731

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|-------------------------------|--|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 136,130 | 137,468 |
| 3 | Technical Support Personnel | 148,394 | 143,901 |
| 4 | Fringe Benefits | 116,655 | 115,361 |
| | Total Personnel | \$401,179 | \$396,729 |
| 111 | High Density Tape Drive (VTSM) Growth | 50,000 | 170,000 |
| | Total Hardware Lease | \$50,000 | \$170,000 |
| 233 | GTX Qualifier Maintenance | 2,000 | 2,800 |
| 234 | Tape Unit | 41,864 | 0 |
| 237 | Virtual Tape | 0 | 10,300 |
| | Total Hardware Maintenance | \$43,864 | \$13,100 |
| 411 | CA TMS (CA1) | 60,977 | 67,075 |
| 460 | Tivoli Storage Management | 25,441 | 25,500 |
| 471 | Catalog/ Disk / HSM Audit and Recovery Utilities - zOS Enterpr | 5,405 | 5,405 |
| | Total Software Maintenance | \$91,823 | \$97,980 |
| 701 | Magnetic Tapes & Supplies | 60,000 | 2,500 |
| | Total Expendable Supplies | \$60,000 | \$2,500 |

State Data Center Cost Allocation Plan Fiscal Year 2014



zOS Enterprise Data Backup Rate Derivation continued

| Item Number | Description | \$ FY13 CAP | \$ FY14 CAP |
|--|------------------|-------------|-------------|
| Total Expense + Equipment: | | \$245,687 | \$283,580 |
| Total Personnel and Expense + Equipment: | | \$646,866 | \$680,309 |
| Indirect Costs Allocated: | | \$77,837 | \$61,253 |
| Job Costs: | | | |
| | zOS Data Storage | | \$7,016 |
| Total Job Costs: | | \$7,373 | \$7,016 |
| Total Costs: | | \$732,075 | \$748,578 |

Rate Calculation:

Total Costs/Utilization

\$748,578

120,615,731

= \$0.00621 per Gigabyte per day

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #7

Unit of Service: Mailboxes
Estimated Utilization: 543,012 AD and Exchange Mailboxes
 344,536 AD User IDs

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|---|--|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 652,935 | 531,857 |
| 4 | Fringe Benefits | 267,703 | 218,061 |
| | Total Personnel | \$920,638 | \$749,918 |
| 242 | Servers - Maintenance Renewals | 35,400 | 13,470 |
| | Total Hardware Maintenance | \$35,400 | \$13,470 |
| 343 | Antivirus For Exchange | 25,000 | 125,000 |
| | Total Software Lease | \$25,000 | \$125,000 |
| 437 | Microsoft Premiere Support | 31,000 | 31,000 |
| 438 | SSL Certificates | 0 | 1,375 |
| 460 | Tivoli Storage Management | 23,845 | 0 |
| 474 | Server Software - Maintenance Renewals - AD & Exchange | 235,202 | 266,519 |
| | Total Software Maintenance | \$290,047 | \$298,894 |
| 504 | SAN - New/Replacement Purchases | 165,876 | 117,960 |
| 505 | Deduplication/Replication Purchase - AD & Exchange | 35,210 | 28,695 |
| 510 | Servers - New/Replacement Purchases | 0 | 58,334 |
| 511 | TSM Hardware Purchase - AD & Exchange | 528,663 | 66,951 |
| 514 | VM Hardware Purchase | 75,430 | 0 |
| | Total Hardware Purchase | \$805,179 | \$271,940 |
| 605 | Fax Services | 62,000 | 0 |
| 610 | Trend Micro ScanMail Security Software | 0 | 98,500 |
| 611 | ISA for Webmail Software | 0 | 2,880 |
| 612 | Enterprise Vault Software Upgrade | 0 | 220,000 |
| | Total Software Purchase | \$62,000 | \$321,380 |
| 808 | MAN Connection/ANS Support/RLS Charges | 0 | 112,800 |
| 835 | AD & Exchange Contractor Services | 0 | 20,000 |
| 836 | AD & Exchange Training\Travel\Tools for Staff | 0 | 7,000 |
| | Total General Support Expense | \$0 | \$139,800 |
| Total Expense + Equipment: | | \$1,217,626 | \$1,170,484 |
| Total Personnel and Expense + Equipment: | | \$2,138,264 | \$1,920,402 |

State Data Center Cost Allocation Plan Fiscal Year 2014



AD - Exchange Rate Derivation continued

| Item Number | Description | \$ FY13 CAP | \$ FY14 CAP |
|----------------------------------|-------------------------|--------------------|--------------------|
| Indirect Costs Allocated: | | \$257,296 | \$172,908 |
| Job Costs: | | | |
| | SAN | | \$106,390 |
| | Physical Server Support | | \$82,098 |
| | VM | | \$122,377 |
| | DistSys Backup-Recovery | | \$195,977 |
| | Remote Server Support | | \$33,802 |
| Total Job Costs: | | \$485,498 | \$540,644 |
| Total Costs: | | \$2,881,058 | \$2,633,954 |

Rate Calculation AD User ID:

10% Total Costs/Utilization

$\frac{\$263,395}{344,536}$

= \$0.76449 Monthly AD User ID Rate

Rate Calculation AD - Exchange Mailbox (Includes AD User ID Rate):

90% Total Costs/Utilization

$\frac{\$2,370,558}{543,012}$

= \$4.36557 Monthly AD - Exchange Mailbox Rate

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #8

Unit of Service: zOS Data Storage Gigabyte/Day
Estimated Utilization: 7,694,854

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---|--|--------------------|--------------------|
| 2 | Computer Operations Personnel | 38,894 | 39,276 |
| 3 | Technical Support Personnel | 59,358 | 57,560 |
| 4 | Fringe Benefits | 40,283 | 39,703 |
| Total Personnel | | \$138,535 | \$136,540 |
| 105 | DASD Lease | 0 | 135,600 |
| 106 | DASD Growth | 330,400 | 255,000 |
| Total Hardware Lease | | \$330,400 | \$390,600 |
| 205 | DASD Maintenance | 53,905 | 68,000 |
| 236 | FICON Directors | 51,158 | 85,500 |
| Total Hardware Maintenance | | \$105,063 | \$153,500 |
| 303 | Softek TDMF Replicator for zOS | 22,365 | 23,483 |
| 313 | DSF/DSS/HSM OS/390 V2 | 140,453 | 140,453 |
| Total Software Lease | | \$162,818 | \$163,936 |
| 426 | IBM Storage Volume Controller (SVC) | 115,000 | 0 |
| 427 | IBM TotalStorage Productivity Center (TPC) | 110,150 | 60,000 |
| Total Software Maintenance | | \$225,150 | \$60,000 |
| Total Expense + Equipment: | | \$823,431 | \$768,036 |
| Total Personnel and Expense + Equipment: | | \$961,966 | \$904,576 |
| Indirect Costs Allocated: | | \$115,753 | \$81,446 |
| Total Costs: | | \$1,077,719 | \$986,022 |

Rate Calculation:

Total Costs/Utilization

$\frac{\$986,022}{7,694,854}$

= \$0.12814 per Gigabyte per day

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #10

Unit of Service: zOS IDMS Run Units
Estimated Utilization: 379,555,916

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|-------------------------------|---|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 38,894 | 39,276 |
| 3 | Technical Support Personnel | 74,197 | 71,950 |
| 4 | Fringe Benefits | 46,367 | 45,603 |
| | Total Personnel | \$159,459 | \$156,830 |
| 412 | CA UNIPAK | 1,486,093 | 1,634,702 |
| | Total Software Maintenance | \$1,486,093 | \$1,634,702 |
| | Total Expense + Equipment: | \$1,486,093 | \$1,634,702 |
| | Total Personnel and Expense + Equipment: | \$1,645,552 | \$1,791,532 |
| | Indirect Costs Allocated: | \$198,008 | \$161,305 |
| | Job Costs: | | |
| | zOS Enterprise Data Backup | | \$988 |
| | zOS Data Storage | | \$6,219 |
| | Total JobCosts: | \$6,733 | \$7,207 |
| | Total Costs: | \$1,850,293 | \$1,960,044 |

Rate Calculation:

Total Costs/Utilization

$\frac{\$1,960,044}{379,555,916}$

= \$0.00516 per Run Unit

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #11

Unit of Service: zOS DB2 Service Units
Estimated Utilization: 967,443,184,805

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---|-------------------------------|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 237,431 | 230,241 |
| 4 | Fringe Benefits | 97,347 | 94,399 |
| Total Personnel | | \$334,777 | \$324,640 |
| 338 | DB2 EOS v10 | 947,832 | 976,267 |
| 341 | UDB - DB2 Utilities Suite | 30,261 | 30,261 |
| Total Software Lease | | \$978,093 | \$1,006,528 |
| 416 | IBM Tivoli Omegamon XE DB2 V4 | 96,512 | 96,512 |
| 419 | DB2 Connect | 37,247 | 37,247 |
| 432 | DB2 LUW | 7,894 | 8,684 |
| 440 | Platinum DB2 Tools | 345,036 | 345,036 |
| 441 | RevealNet Reveal for DB2 | 2,760 | 0 |
| 464 | DB2 Buffer Pool Tool | 19,425 | 19,425 |
| Total Software Maintenance | | \$508,874 | \$506,904 |
| Total Expense + Equipment: | | \$1,486,967 | \$1,513,432 |
| Total Personnel and Expense + Equipment: | | \$1,821,744 | \$1,838,072 |
| Indirect Costs Allocated: | | \$219,209 | \$165,496 |
| Job Costs: | | | |
| | zOS Enterprise Data Backup | | \$12,550 |
| | Laser Feet Printed | | \$10 |
| | zOS Data Storage | | \$57,060 |
| Total JobCosts: | | \$55,268 | \$69,621 |
| Total Costs: | | \$2,096,221 | \$2,073,188 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,073,188}{967,443,184,805} \times 1,000 = \$0.00214 \text{ per 1,000 Service Units}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #14

Unit of Service: All Fusion CPU Service Units
Estimated Utilization: 4,102,322,916

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|------------------------|---|--------------------|--------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 44,518 | 43,170 |
| 4 | Fringe Benefits | 18,252 | 17,700 |
| | Total Personnel | \$62,771 | \$60,870 |
| 403 | CA All Fusion | 29,939 | 32,933 |
| | Total Software Maintenance | \$29,939 | \$32,933 |
| | Total Expense + Equipment: | \$29,939 | \$32,933 |
| | Total Personnel and Expense + Equipment: | \$92,710 | \$93,803 |
| | Indirect Costs Allocated: | \$11,156 | \$8,446 |
| | Total Costs: | \$103,866 | \$102,249 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$102,249}{4,102,322,916} \times 1,000 = \$0.02492 \text{ per 1,000 Service Units}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #15

Unit of Service: VM
Estimated Utilization: 16,828

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|---|--|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 148,394 | 143,901 |
| 4 | Fringe Benefits | 60,842 | 58,999 |
| | Total Personnel | \$209,236 | \$202,900 |
| 117 | VM Hardware Lease | 0 | 324,730 |
| | Total Hardware Lease | \$0 | \$324,730 |
| 238 | VM Server and Storage Maintenance | 40,558 | 48,900 |
| | Total Hardware Maintenance | \$40,558 | \$48,900 |
| 335 | Red Hat Enterprise\Network Satellite | 18,689 | 24,400 |
| 339 | Symantic EndPoint Protection Subscription - VM | 0 | 22,838 |
| 340 | Microsoft Server Operating System Subscription | 0 | 78,000 |
| | Total Software Lease | \$18,689 | \$125,238 |
| 479 | VMWare vSphere License Maintenance | 0 | 207,075 |
| | Total Software Maintenance | \$0 | \$207,075 |
| 514 | VM Hardware Purchase | 160,000 | 310,490 |
| | Total Hardware Purchase | \$160,000 | \$310,490 |
| 607 | VM Software Purchase | 60,000 | 128,775 |
| 613 | BMC ProactiveNet Performance Management Suite | 0 | 110,000 |
| | Total Software Purchase | \$60,000 | \$238,775 |
| 807 | IBM Server Support Line | 0 | 25,000 |
| 841 | VM Training\Travel\Tools for Staff | 0 | 4,000 |
| | Total General Support Expense | \$0 | \$29,000 |
| Total Expense + Equipment: | | \$279,247 | \$1,284,208 |
| Total Personnel and Expense + Equipment: | | \$488,483 | \$1,487,108 |
| Indirect Costs Allocated: | | \$58,779 | \$133,896 |
| Job Costs: | | | |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



VM Rate Derivation continued

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|------------------------|--------------------|--------------------|--------------------|
| | SAN Storage | | \$57,629 |
| Total JobCosts: | | <u>\$83,947</u> | <u>\$57,629</u> |
| Total Costs: | | <u>\$631,208</u> | <u>\$1,678,633</u> |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,678,633}{16,828} = \$99.75165 \text{ per Image per Month}$$

An Additional charger of \$5 per Month extra for every one (1) gb of memory over our standard Configuration.

An Additional charger of \$11 per Month extra for every one (1) additional virtual CPU over 3 vCPUs.

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #16

Unit of Service: SAN
Estimated Utilization: 6,201,632

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---|--|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 59,358 | 143,901 |
| 4 | Fringe Benefits | 24,337 | 58,999 |
| | Total Personnel | \$83,694 | \$202,900 |
| 113 | SAN DASD | 85,236 | 414,000 |
| | Total Hardware Lease | \$85,236 | \$414,000 |
| 231 | SAN Server and Storage Maintenance | 252,891 | 183,800 |
| 245 | SVC Hardware Maintenance | 0 | 2,500 |
| | Total Hardware Maintenance | \$252,891 | \$186,300 |
| 477 | SAN Software | 150,000 | 132,200 |
| 480 | SolarWinds Storage Manager Maintenance | 0 | 7,200 |
| | Total Software Maintenance | \$150,000 | \$139,400 |
| 519 | SAN Hardware Upgrade | 0 | 13,333 |
| | Total Hardware Purchase | \$0 | \$13,333 |
| 830 | SAN/NAS Support Line | 0 | 10,000 |
| 838 | SAN Training\Travel\Tools for Staff | 0 | 15,000 |
| | Total General Support Expense | \$0 | \$25,000 |
| Total Expense + Equipment: | | \$488,127 | \$778,033 |
| Total Personnel and Expense + Equipment: | | \$571,821 | \$980,933 |
| Indirect Costs Allocated: | | \$68,807 | \$88,321 |
| Total Costs: | | \$640,628 | \$1,069,254 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,069,254}{6,201,632} = \$0.17241 \text{ per GB per Month}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #17

Unit of Service: Physical Server Support
Estimated Utilization: 1,500

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|---|-------------------------------|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 118,715 | 115,120 |
| 4 | Fringe Benefits | 48,673 | 47,199 |
| Total Personnel | | \$167,389 | \$162,320 |
| Total Expense + Equipment: | | \$0 | \$0 |
| Total Personnel and Expense + Equipment: | | \$167,389 | \$162,320 |
| Indirect Costs Allocated: | | \$20,142 | \$14,615 |
| Total Costs: | | \$204,846 | \$176,935 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$176,935}{1,500} = \$117.95652 \text{ per Server per Month}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #19

Unit of Service: DistSys Backup-Recovery
Estimated Utilization: 588,299,107

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|-------------------------------|--|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 9,724 | 9,819 |
| 3 | Technical Support Personnel | 89,037 | 172,681 |
| 4 | Fringe Benefits | 40,492 | 74,825 |
| | Total Personnel | \$139,252 | \$257,325 |
| 107 | Deduplication/Replication Hardware Lease | 0 | 0 |
| | Total Hardware Lease | \$0 | \$0 |
| 206 | Data Domain Appliance Maintenance | 0 | 227,200 |
| 207 | Backup Admin Servers Maintenance (TSM Win) | 0 | 4,800 |
| 232 | TSM Server and Storage Maintenance | 91,172 | 37,000 |
| | Total Hardware Maintenance | \$91,172 | \$269,000 |
| 460 | Tivoli Storage Management | 157,559 | 0 |
| 478 | Vranger Software Maintenance | 0 | 10,565 |
| | Total Software Maintenance | \$157,559 | \$10,565 |
| 503 | Deduplication/Replication Purchase - DistSys Backup-Recovery | 0 | 162,602 |
| 512 | TSM Hardware Purchase - DistSys Backup-Recovery | 413,549 | 52,604 |
| 515 | Data Domain Hardware Upgrade | 0 | 1,425 |
| | Total Hardware Purchase | \$413,549 | \$216,631 |
| 606 | TSM Software Purchase | 0 | 300,000 |
| 608 | Vranger License Enhancement | 0 | 23,400 |
| | Total Software Purchase | \$0 | \$323,400 |
| 802 | Consulting Service | 35,000 | 0 |
| 842 | TSM Training\Travel\Tools for Staff | 0 | 10,000 |
| | Total General Support Expense | \$35,000 | \$10,000 |

State Data Center Cost Allocation Plan Fiscal Year 2014



DistSys Backup-Recovery Rate Derivation continued

| Item Number | Description | \$ FY13 CAP | \$ FY14 CAP |
|--|-------------|-------------|-------------|
| Total Expense + Equipment: | | \$697,280 | \$829,596 |
| Total Personnel and Expense + Equipment: | | \$836,532 | \$1,086,921 |
| Indirect Costs Allocated: | | \$100,659 | \$97,864 |
| Job Costs: | | | |
| | VM | | \$28,308 |
| Total JobCosts: | | \$20,929 | \$28,308 |
| Total Costs: | | \$958,120 | \$1,213,092 |

Rate Calculation:

Total Costs/Utilization

$\frac{\$1,213,092}{588,299,107}$

= \$0.00206 per Gigabyte per day

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #20

Indirect Cost Components:

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|-----------------------------------|--|---------------------------|---------------------------|
| 1 | Administrative Personnel | 501,574 | 535,881 |
| 2 | Computer Operations Personnel | 48,618 | 49,096 |
| 3 | Technical Support Personnel | 519,380 | 613,017 |
| 4 | Fringe Benefits | 438,525 | 491,177 |
| Total Personnel | | \$1,508,097 | \$1,689,170 |
| 239 | Batteries/UPS Maintenance | 42,450 | 0 |
| 240 | Generator Maintenance | 7,741 | 0 |
| Total Hardware Maintenance | | \$50,191 | \$0 |
| 401 | Axceler ControlPoint - SharePoint Internal | 14,500 | 7,250 |
| 402 | Axceler ControlPoint - SharePoint External | 0 | 3,625 |
| 460 | Tivoli Storage Management | 4,000 | 0 |
| 468 | SQL | 70,000 | 20,000 |
| 476 | What's Up | 4,000 | 0 |
| Total Software Maintenance | | \$92,500 | \$30,875 |
| 509 | Tools for Staff | 38,000 | 0 |
| Total Hardware Purchase | | \$38,000 | \$0 |
| 802 | Consulting Service | 0 | 60,000 |
| 805 | IBM Global Network(Advantis) | 10,000 | 0 |
| 806 | Internet Access | 1,500 | 0 |
| 807 | IBM Server Support Line | 45,000 | 0 |
| 808 | MAN Connection/ANS Support/RLS Charges | 112,800 | 0 |
| 810 | Open Systems DR | 81,720 | 0 |
| 811 | Office Supplies, Equipment and Maintenance | 12,500 | 12,500 |
| 812 | Cell Phone | 6,000 | 6,000 |
| 813 | Electrical Distribution, Maintenance | 100,000 | 100,000 |
| 814 | Postage/Inter Agency Mail Delivery | 4,300 | 4,000 |
| 815 | Printing and Binding | 3,500 | 3,500 |
| 816 | Cabinets, Furniture & Building Changes | 100,000 | 100,000 |
| 817 | Reserve for Unplanned Expense | 300,000 | 0 |
| 819 | Security Services | 25,000 | 0 |
| 820 | Subscriptions & Publications | 5,000 | 5,000 |
| 821 | Telephone Service and Equipment | 57,500 | 57,500 |
| 822 | Training & Professional Development | 90,000 | 10,000 |
| 823 | Travel | 27,500 | 15,000 |
| 824 | Resource Oversight | 0 | 108,000 |
| 825 | VPN - Access Charge | 9,268 | 3,000 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



Indirect Costs continued

| Item Number | Description | \$ FY13 CAP | \$ FY14 CAP |
|---|------------------------------|--------------------|--------------------|
| 827 | SSL Certificates | 20,000 | 1,000 |
| 828 | Service Deployment Appliance | 0 | 65,000 |
| 830 | SAN/NAS Support Line | 10,000 | 0 |
| 833 | RedHat/JBoss Support | 6,000 | 6,000 |
| 834 | Websense Pur/Mtc Recovery | 5,000 | 0 |
| Total General Support Expense | | \$1,032,588 | \$556,500 |
| Total Expense + Equipment: | | \$1,213,279 | \$587,375 |
| Total Personnel and Expense + Equipment: | | \$2,721,376 | \$2,276,545 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #21

Unit of Service: WAS
Estimated Utilization: 168

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|---|--------------------------------------|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 59,358 | 115,120 |
| 4 | Fringe Benefits | 24,337 | 47,199 |
| | Total Personnel | \$83,694 | \$162,320 |
| 428 | Tivoli WAS\ND | 48,000 | 121,893 |
| | Total Software Maintenance | \$48,000 | \$121,893 |
| 845 | WAS Training\Travel\Tools for Staff | 0 | 4,500 |
| 846 | VM Additional Charges for Was | 0 | 14,729 |
| | Total General Support Expense | \$0 | \$19,229 |
| Total Expense + Equipment: | | \$48,000 | \$141,122 |
| Total Personnel and Expense + Equipment: | | \$131,694 | \$303,442 |
| Indirect Costs Allocated: | | \$15,847 | \$27,321 |
| Job Costs: | | | |
| | VM | | \$0 |
| | DistSys Backup-Recovery | | \$0 |
| Total JobCosts: | | \$0 | \$0 |
| Total Costs: | | \$147,541 | \$330,763 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$330,763}{168}$$

= \$1,968.82780 per Image per Month

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #23

Unit of Service: SQL
 Estimated Utilization: 39,179 Base
 12,572 Memory
 478,785 Overage
 4,496 License

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|------------------------|--------------------------------------|--------------------|--------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 0 | 618,773 |
| 4 | Fringe Benefits | 0 | 253,697 |
| | Total Personnel | \$0 | \$872,469 |
| 451 | SA Licenses for SQL | 0 | 231,561 |
| | Total Software Maintenance | \$0 | \$231,561 |
| 601 | Enterprise Licnese for SQL (New) | 0 | 477,950 |
| | Total Software Purchase | \$0 | \$477,950 |
| 826 | VM Additional Charges for SQL | 0 | 132,317 |
| 839 | SQL Training\Travel\Tools for Staff | 0 | 70,000 |
| | Total General Support Expense | \$0 | \$202,317 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



SQL Rate Derivation continued

| <u>Item</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---|-------------------------|--------------------|--------------------|
| Total Expense + Equipment: | | \$0 | \$911,828 |
| Total Personnel and Expense + Equipment: | | \$0 | \$1,784,297 |
| Indirect Costs Allocated: | | \$0 | \$160,654 |
| | DistSys Backup-Recovery | | \$51,215 |
| | SAN | | \$156,354 |
| | VM | | \$370,202 |
| Total JobCosts: | | \$0 | \$577,771 |
| Total Costs: | | \$0 | \$2,522,723 |

Rate Calculation Base:

44% Total Costs/Utilization $\frac{\$1,109,998}{39,179}$ = \$28.33129 per Base Unit per Month

Rate Calculation Memory:

3% Total Costs/Utilization $\frac{\$75,682}{12,572}$ = \$6.01986 per Memory GB per Month

Rate Calculation Overage:

30% Total Costs/Utilization $\frac{\$756,817}{478,785}$ = \$1.58070 per Overage GB per Month

Rate Calculation License:

23% Total Costs/Utilization $\frac{\$580,226}{4,496}$ = \$129.05990 per License per Month

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #25

Unit of Service: VRanger - Data Domain
Estimated Utilization: 0

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---|--|--------------------|--------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 74,197 | 0 |
| 4 | Fringe Benefits | 30,421 | 0 |
| | Total Personnel | \$104,618 | \$0 |
| 206 | Data Domain Appliance Maintenance | 141,655 | 0 |
| | Total Hardware Maintenance | \$141,655 | \$0 |
| 478 | Vranger Software Maintenance | 23,925 | 0 |
| | Total Software Maintenance | \$23,925 | \$0 |
| 505 | Deduplication/Replication Purchase - AD & Exchange | 200,000 | 0 |
| 515 | Data Domain Hardware Upgrade | 219,000 | 0 |
| | Total Hardware Purchase | \$419,000 | \$0 |
| 608 | Vranger License Enhancement | 9,000 | 0 |
| | Total Software Purchase | \$9,000 | \$0 |
| Total Expense + Equipment: | | \$593,580 | \$0 |
| Total Personnel and Expense + Equipment: | | \$698,198 | \$0 |
| Indirect Costs Allocated: | | \$84,014 | \$0 |
| Total Costs: | | \$795,327 | \$0 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$0}{0} = \$0.00000 \text{ per Gigabyte per day}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #26

Unit of Service: Remote Server Support
Estimated Utilization: 7,680

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|---|---|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 356,146 | 230,241 |
| 4 | Fringe Benefits | 146,020 | 94,399 |
| | Total Personnel | \$502,166 | \$324,640 |
| 229 | Remote Server Support | 0 | 128,000 |
| | Total Hardware Maintenance | \$0 | \$128,000 |
| 342 | Symantic EndPoint Protection Subscription - Remote Server Sup | 0 | 19,892 |
| | Total Software Lease | \$0 | \$19,892 |
| 507 | Remote Server Replacement | 461,652 | 0 |
| 508 | Remote Storage Hardware | 0 | 0 |
| | Total Hardware Purchase | \$461,652 | \$0 |
| 844 | Remote Server Support Training\Travel\Tools for Staff | 0 | 0 |
| | Total General Support Expense | \$0 | \$0 |
| Total Expense + Equipment: | | \$461,652 | \$147,892 |
| Total Personnel and Expense + Equipment: | | \$963,818 | \$472,532 |
| Indirect Costs Allocated: | | \$115,976 | \$42,546 |
| Total Costs: | | \$1,079,794 | \$515,077 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$515,077}{7,680} = \$67.06737 \text{ per Server per Month}$$

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #27

Unit of Service: VDI
Estimated Utilization: 30,000

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---|---|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 0 | 0 |
| 4 | Fringe Benefits | 0 | 0 |
| Total Personnel | | \$0 | \$0 |
| 243 | VDI Server Maintenance | 19,506 | 19,506 |
| 244 | VDI Storage Maintenance | 20,698 | 20,698 |
| Total Hardware Maintenance | | \$40,204 | \$40,204 |
| 469 | VMWare View Software Maintenance | 152,650 | 152,650 |
| 470 | Microsoft VDA Licensing (Software Subscription) | 170,250 | 170,250 |
| Total Software Maintenance | | \$322,900 | \$322,900 |
| 516 | VDI End-Point Device (Then Clients) | 0 | 0 |
| 517 | VDI Server and Upgrades | 65,020 | 71,440 |
| 518 | VDI Storage and Upgrades | 68,994 | 64,666 |
| Total Hardware Purchase | | \$134,014 | \$136,106 |
| 609 | VMWare View Licensing | 86,000 | 86,000 |
| Total Software Purchase | | \$86,000 | \$86,000 |
| Total Expense + Equipment: | | \$583,118 | \$585,210 |
| Total Personnel and Expense + Equipment: | | \$583,118 | \$585,210 |
| Indirect Costs Allocated: | | \$70,166 | \$52,691 |
| Total Costs: | | \$727,694 | \$637,901 |

Rate Calculation:

Total Costs/Utilization

$$\frac{\$637,901}{30,000} = \$21.26336 \text{ per Virtual Desktop per month}$$

An Additional charger of \$5 per Month extra for every one (1) gb of memory over our standard Configuration.

An Additional charger of \$11 per Month extra for every one (1) additional virtual CPU over 3 vCPUs.

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #31

Unit of Service: TFS
Estimated Utilization: 132

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---|---|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 0 | 26,478 |
| 4 | Fringe Benefits | 0 | 10,856 |
| | Total Personnel | \$0 | \$37,334 |
| 442 | MicroSoft Team Foundation Software Subscription | 0 | 2,054 |
| | Total Software Maintenance | \$0 | \$2,054 |
| 843 | TFS Training\Travel\Tools for Staff | 0 | 300 |
| 850 | VM Additional Charges for TFS | 0 | 4,794 |
| | Total General Support Expense | \$0 | \$5,094 |
| Total Expense + Equipment: | | \$0 | \$7,148 |
| Total Personnel and Expense + Equipment: | | \$0 | \$44,482 |
| Indirect Costs Allocated: | | \$0 | \$4,005 |
| Job Costs: | | | |
| | VM | | \$4,502 |
| | DistSys Backup-Recovery | | \$123 |
| | SQL Base | | \$1,678 |
| | SQL Memory | | \$114 |
| | SQL Overage | | \$1,146 |
| | SQL License | | \$876 |
| Total JobCosts: | | \$0 | \$8,439 |
| Total Costs: | | \$0 | \$56,925 |

Rate Calculation:

Total Costs/Utilization

\$56,925

132

= \$431.25335 per Unit per Month

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



TFS Rate Derivation continued

| <u>Item Number</u> | <u>Description</u> | \$ <u>FY13 CAP</u> | \$ <u>FY14 CAP</u> |
|------------------------|---|--------------------|--------------------|
| | An additional charge for Collection Database of \$28.33129 per Dedicated Base Per Month | | |
| | An additional charge for Collection Database Overage of \$1.5807 per GB per Month | | |
| | An additional charge for TFS Build Server of \$99.75165 per VM Server per Month | | |
| | An additional charge for Memory over 1 GB of \$5.00 per GB per Month | | |
| | An additional charge for vCPU over 3 Dedicated TFS Build Server of \$11.00 per CPU per Month | | |
| | An additional charge for Disk over 50 GB for Dedicated TFS Build Server of \$0.17241 per GB per Month | | |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #32

Unit of Service: Enterprise Fax Services
Estimated Utilization: 3,305,871

Estimated Cost:

| <u>Item Number</u> | <u>Description</u> | <u>\$ FY13 CAP</u> | <u>\$ FY14 CAP</u> |
|---|---|---------------------------|---------------------------|
| 2 | Computer Operations Personnel | 0 | 0 |
| 3 | Technical Support Personnel | 0 | 8,634 |
| 4 | Fringe Benefits | 0 | 3,540 |
| | Total Personnel | \$0 | \$12,174 |
| 210 | Fax Server Host Maintenance | 0 | 5,440 |
| | Total Hardware Maintenance | \$0 | \$5,440 |
| 457 | Biscom Software Maintenance | 0 | 11,400 |
| | Total Software Maintenance | \$0 | \$11,400 |
| 502 | 24-Port Fax Cards for Server | 0 | 9,911 |
| | Total Hardware Purchase | \$0 | \$9,911 |
| 615 | Biscom Enterprise Fax Software | 0 | 9,124 |
| | Total Software Purchase | \$0 | \$9,124 |
| 854 | Fax Circuit Installation Charge (One-time Cost) | 0 | 292 |
| 855 | Fax Circuit Charge - 6 PRI Circuits | 0 | 45,960 |
| | Total General Support Expense | \$0 | \$46,252 |
| Total Expense + Equipment: | | \$0 | \$82,127 |
| Total Personnel and Expense + Equipment: | | \$0 | \$94,301 |
| Indirect Costs Allocated: | | \$0 | \$8,491 |
| Total Costs: | | \$0 | \$102,792 |

Rate Calculation:

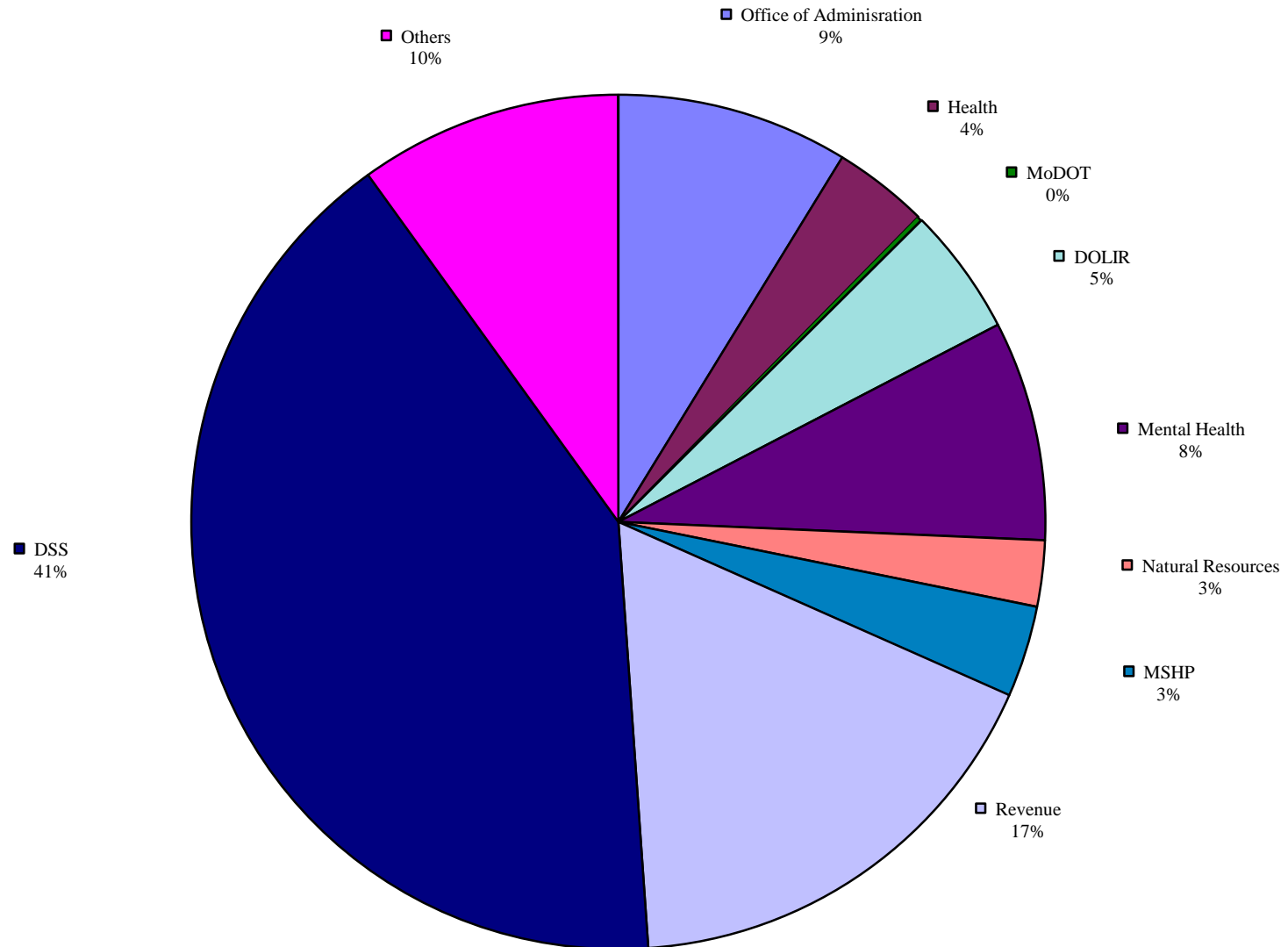
Total Costs/Utilization

$$\frac{\$102,792}{3,305,871} = \$0.03109 \text{ per Page}$$

An additional charge of \$0.07720 Per Minute, will be charged for every Minute of Long Distance Service.

Cost Estimates (F)

FY14 State Data Center Estimated Customer Billing



**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

| <u>Agency</u> | <u>CICS Transactions</u> | | <u>All Fusion Service Units</u> | <u>CPU Service Units</u> |
|--------------------------------------|--------------------------|----|-------------------------------------|--------------------------|
| Senate | \$ 63 | \$ | 0 | \$ 616 |
| House of Representatives | 127 | | 0 | 673 |
| Legislative Research | 15 | | 0 | 24 |
| State Courts Administrator | 1,100 | | 0 | 4,932 |
| Secretary of State | 399 | | 0 | 2,325 |
| Auditor | 50 | | 0 | 328 |
| Treasurer | 75 | | 0 | 150 |
| Attorney General | 218 | | 0 | 556 |
| OA/ITSD Systems & Programming | 304 | | 9,981 | 57,678 |
| OA/Missouri Ethics Commission | 6 | | 0 | 20 |
| OA/Depty Commissioner | 88 | | 0 | 300 |
| OA/Accounting | 3,453 | | 0 | 24,447 |
| OA/Budget and Planning | 168 | | 0 | 358 |
| OA/ITSD Production | 8,616 | | 104 | 416,900 |
| OA/Design and Construction | 218 | | 0 | 521 |
| OA/Personnel | 8,644 | | 0 | 15,536 |
| OA/Purchasing | 475 | | 0 | 3,581 |
| OA/General Services | 1,977 | | 0 | 7,385 |
| OA/Facilities Management | 731 | | 0 | 2,270 |
| OA/Administrative Hearing Commission | 9 | | 0 | 50 |
| OA/OIT | 0 | | 0 | 0 |
| Dept of Agriculture | 427 | | 0 | 1,776 |
| Dept of Insurance | 345 | | 0 | 2,994 |
| Dept of Conservation | 646 | | 0 | 2,806 |
| Dept of Economic Development | 1,528 | | 0 | 27,934 |
| Dept of Elementary & Secondary ED | 1,763 | | 0 | 12,951 |
| Dept of Higher Education | 122 | | 0 | 1,598 |
| Dept of Health & SS | 21,048 | | 0 | 133,011 |
| Dept of Transportation | 7,032 | | 0 | 25,271 |
| Dept of Labor & Industrial Relation | 139,048 | | 0 | 599,631 |
| Dept of Mental Health | 7,211 | | 0 | 108,813 |
| Dept of Natural Resources | 2,691 | | 0 | 57,397 |
| Dept of Public Safety | 2,051 | | 0 | 10,278 |
| Missouri State Highway Patrol | 243,721 | | 661 | 536,360 |
| Kansas City Police Dept | 0 | | 0 | 0 |
| ReJIS | 74,882 | | 0 | 29,125 |
| Dept of Revenue | 125,064 | | 0 | 2,091,217 |
| Lottery Commission | 149 | | 0 | 311 |
| State Tax Commission | 23 | | 0 | 49 |
| Highway Reciprocity Commission | 0 | | 0 | 0 |
| Dept of Social Services | 1,387,728 | | 91,502 | 4,538,626 |
| Dept of Corrections | 7,371 | | 0 | 17,421 |
| Others | 1,067 | | 0 | 6,701 |
| Agency Total : | \$2,050,653 | | \$102,249 | \$8,742,917 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

| <u>Agency</u> | <u>DistSys Backup</u> | <u>zOS Enterprise</u> | <u>zOS DB2</u> |
|--------------------------------------|-----------------------|-----------------------|----------------------|
| | <u>Recovery</u> | <u>Data Backup</u> | <u>Service Units</u> |
| Senate | \$ 0 | \$ 0 | \$ 194 |
| House of Representatives | 0 | 0 | 210 |
| Legislative Research | 0 | 0 | 8 |
| State Courts Administrator | 0 | 8 | 1,314 |
| Secretary of State | 0 | 9 | 699 |
| Auditor | 0 | 709 | 53 |
| Treasurer | 12,876 | 12 | 43 |
| Attorney General | 0 | 0 | 166 |
| OA/ITSD Systems & Programming | 15,331 | 4,826 | 7,996 |
| OA/Missouri Ethics Commission | 0 | 0 | 8 |
| OA/Depty Commissioner | 6 | 0 | 85 |
| OA/Accounting | 0 | 19 | 6,650 |
| OA/Budget and Planning | 1 | 0 | 81 |
| OA/ITSD Production | 37,916 | 97,183 | 56,126 |
| OA/Design and Construction | 0 | 5 | 132 |
| OA/Personnel | 843 | 5 | 3,505 |
| OA/Purchasing | 118 | 0 | 429 |
| OA/General Services | 141 | 141 | 1,789 |
| OA/Facilities Management | 8,121 | 27 | 615 |
| OA/Administrative Hearing Commission | 1,903 | 0 | 18 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 12,876 | 0 | 587 |
| Dept of Insurance | 12,876 | 27 | 911 |
| Dept of Conservation | 0 | 0 | 539 |
| Dept of Economic Development | 38,628 | 1,933 | 1,283 |
| Dept of Elementary & Secondary ED | 51,504 | 0 | 3,784 |
| Dept of Higher Education | 12,876 | 0 | 357 |
| Dept of Health & SS | 51,504 | 4,094 | 26,534 |
| Dept of Transportation | 0 | 4 | 5,696 |
| Dept of Labor & Industrial Relation | 90,133 | 78,736 | 12,400 |
| Dept of Mental Health | 206,017 | 10,059 | 31,800 |
| Dept of Natural Resources | 154,513 | 3,916 | 15,807 |
| Dept of Public Safety | 12,876 | 0 | 3,100 |
| Missouri State Highway Patrol | 0 | 8,021 | 76,874 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 115,885 | 149,486 | 316,928 |
| Lottery Commission | 0 | 0 | 96 |
| State Tax Commission | 0 | 0 | 16 |
| Highway Reciprocity Commission | 0 | 18 | 0 |
| Dept of Social Services | 103,009 | 178,907 | 1,489,310 |
| Dept of Corrections | 25,752 | 0 | 5,293 |
| Others | 0 | 0 | 1,753 |
| Agency Total : | \$965,706 | \$538,143 | \$2,073,188 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

| <u>Agency</u> | <u>zOS Data Storage</u> | <u>VM Images</u> | <u>zOS IDMS</u> |
|--------------------------------------|-------------------------|--------------------|--------------------|
| Senate | \$ 0 | \$ 0 | 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 0 | 0 | 602 |
| Secretary of State | 25 | 0 | 2 |
| Auditor | 27 | 17,058 | 0 |
| Treasurer | 2 | 17,058 | 0 |
| Attorney General | 0 | 0 | 0 |
| OA/ITSD Systems & Programming | 27,248 | 78,205 | 93 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 0 | 0 | 0 |
| OA/Accounting | 25 | 0 | 0 |
| OA/Budget and Planning | 0 | 1,466 | 0 |
| OA/ITSD Production | 120,560 | 38,125 | 0 |
| OA/Design and Construction | 2 | 0 | 0 |
| OA/Personnel | 490 | 0 | 51 |
| OA/Purchasing | 2 | 0 | 0 |
| OA/General Services | 158 | 0 | 7 |
| OA/Facilities Management | 28 | 16,130 | 0 |
| OA/Administrative Hearing Commission | 0 | 2,933 | 0 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 0 | 17,058 | 0 |
| Dept of Insurance | 3 | 34,215 | 98 |
| Dept of Conservation | 0 | 0 | 1,334 |
| Dept of Economic Development | 2,938 | 34,215 | 168 |
| Dept of Elementary & Secondary ED | 0 | 68,430 | 0 |
| Dept of Higher Education | 0 | 34,215 | 0 |
| Dept of Health & SS | 1,219 | 153,917 | 100,974 |
| Dept of Transportation | 26 | 0 | 190 |
| Dept of Labor & Industrial Relation | 63,487 | 68,430 | 3,245 |
| Dept of Mental Health | 5,787 | 171,074 | 351 |
| Dept of Natural Resources | 924 | 68,430 | 0 |
| Dept of Public Safety | 0 | 34,215 | 0 |
| Missouri State Highway Patrol | 6,935 | 0 | 77,092 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 77,430 |
| Dept of Revenue | 161,340 | 171,074 | 759,139 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 0 | 0 | 0 |
| Highway Reciprocity Commission | 51 | 0 | 0 |
| Dept of Social Services | 440,413 | 85,487 | 937,906 |
| Dept of Corrections | 0 | 34,215 | 0 |
| Others | 0 | 0 | 1,364 |
| Agency Total : | \$831,691 | \$1,145,947 | \$1,960,044 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

| <u>Agency</u> | | <u>Print (Lines)</u> | | <u>Print (Laser)</u> | | <u>AD User ID</u> |
|--------------------------------------|----|--------------------------|----|--------------------------|----|-------------------|
| Senate | \$ | 0 | \$ | 0 | \$ | 37 |
| House of Representatives | | 0 | | 0 | | 64 |
| Legislative Research | | 0 | | 0 | | 0 |
| State Courts Administrator | | 0 | | 8 | | 46 |
| Secretary of State | | 0 | | 0 | | 1,303 |
| Auditor | | 0 | | 21 | | 37 |
| Treasurer | | 0 | | 0 | | 569 |
| Attorney General | | 0 | | 0 | | 2,908 |
| OA/ITSD Systems & Programming | | 0 | | 234 | | 0 |
| OA/Missouri Ethics Commission | | 0 | | 0 | | 138 |
| OA/Depty Commissioner | | 0 | | 0 | | 9 |
| OA/Accounting | | 74 | | 1,357 | | 0 |
| OA/Budget and Planning | | 0 | | 160 | | 18 |
| OA/ITSD Production | | 0 | | 28,598 | | 147 |
| OA/Design and Construction | | 0 | | 0 | | 0 |
| OA/Personnel | | 0 | | 198 | | 64 |
| OA/Purchasing | | 0 | | 187 | | 46 |
| OA/General Services | | 27 | | 2,654 | | 147 |
| OA/Facilities Management | | 0 | | 624 | | 450 |
| OA/Administrative Hearing Commission | | 0 | | 0 | | 28 |
| OA/OIT | | 0 | | 0 | | 3,578 |
| Dept of Agriculture | | 0 | | 0 | | 248 |
| Dept of Insurance | | 0 | | 0 | | 321 |
| Dept of Conservation | | 0 | | 10 | | 83 |
| Dept of Economic Development | | 0 | | 10 | | 14,128 |
| Dept of Elementary & Secondary ED | | 0 | | 0 | | 4,688 |
| Dept of Higher Education | | 0 | | 2 | | 596 |
| Dept of Health & SS | | 91 | | 4,391 | | 4,624 |
| Dept of Transportation | | 0 | | 4 | | 211 |
| Dept of Labor & Industrial Relation | | 0 | | 263 | | 1,716 |
| Dept of Mental Health | | 0 | | 0 | | 190,662 |
| Dept of Natural Resources | | 0 | | 98 | | 13,449 |
| Dept of Public Safety | | 0 | | 0 | | 1,193 |
| Missouri State Highway Patrol | | 0 | | 1,005 | | 9 |
| Kansas City Police Dept | | 0 | | 0 | | 0 |
| ReJIS | | 0 | | 0 | | 0 |
| Dept of Revenue | | 467 | | 368,633 | | 6,559 |
| Lottery Commission | | 0 | | 0 | | 0 |
| State Tax Commission | | 0 | | 0 | | 0 |
| Highway Reciprocity Commission | | 0 | | 0 | | 0 |
| Dept of Social Services | | 210 | | 1,139,845 | | 11,678 |
| Dept of Corrections | | 0 | | 0 | | 3,514 |
| Others | | 0 | | 0 | | 64 |
| Agency Total : | | \$869 | | \$1,548,300 | | \$263,328 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

| <u>Agency</u> | <u>AD Exchange</u> | | <u>Physical Server</u> | |
|--------------------------------------|--------------------|------------|------------------------|--|
| | <u>Mailboxes</u> | <u>SAN</u> | <u>Support</u> | |
| Senate | \$ 0 | \$ 0 | \$ 0 | |
| House of Representatives | 0 | 0 | 0 | |
| Legislative Research | 0 | 0 | 0 | |
| State Courts Administrator | 0 | 0 | 0 | |
| Secretary of State | 0 | 0 | 0 | |
| Auditor | 0 | 10,693 | 0 | |
| Treasurer | 0 | 10,693 | 0 | |
| Attorney General | 52 | 0 | 0 | |
| OA/ITSD Systems & Programming | 27,294 | 38,367 | 0 | |
| OA/Missouri Ethics Commission | 1,624 | 0 | 0 | |
| OA/Depty Commissioner | 3,458 | 7 | 0 | |
| OA/Accounting | 1,886 | 0 | 0 | |
| OA/Budget and Planning | 3,562 | 0 | 0 | |
| OA/ITSD Production | 11,054 | 24,253 | 18,401 | |
| OA/Design and Construction | 0 | 0 | 0 | |
| OA/Personnel | 3,719 | 103 | 0 | |
| OA/Purchasing | 3,719 | 0 | 0 | |
| OA/General Services | 5,605 | 0 | 0 | |
| OA/Facilities Management | 35,728 | 10,816 | 1,415 | |
| OA/Administrative Hearing Commission | 2,148 | 1,302 | 0 | |
| OA/OIT | 87,224 | 0 | 0 | |
| Dept of Agriculture | 19,488 | 10,693 | 0 | |
| Dept of Insurance | 38,190 | 21,385 | 2,831 | |
| Dept of Conservation | 0 | 0 | 0 | |
| Dept of Economic Development | 35,099 | 21,385 | 15,570 | |
| Dept of Elementary & Secondary ED | 85,181 | 64,155 | 0 | |
| Dept of Higher Education | 5,082 | 10,693 | 0 | |
| Dept of Health & SS | 126,724 | 74,848 | 1,415 | |
| Dept of Transportation | 0 | 0 | 0 | |
| Dept of Labor & Industrial Relation | 59,669 | 32,078 | 1,415 | |
| Dept of Mental Health | 359,060 | 149,695 | 28,310 | |
| Dept of Natural Resources | 109,803 | 117,618 | 1,415 | |
| Dept of Public Safety | 64,383 | 10,693 | 0 | |
| Missouri State Highway Patrol | 0 | 0 | 0 | |
| Kansas City Police Dept | 0 | 0 | 0 | |
| ReJIS | 0 | 0 | 0 | |
| Dept of Revenue | 93,825 | 74,848 | 4,246 | |
| Lottery Commission | 0 | 0 | 0 | |
| State Tax Commission | 0 | 0 | 0 | |
| Highway Reciprocity Commission | 0 | 0 | 0 | |
| Dept of Social Services | 462,838 | 53,463 | 19,817 | |
| Dept of Corrections | 712,461 | 10,693 | 0 | |
| Others | 7,125 | 0 | 0 | |
| Agency Total : | \$2,366,001 | \$748,477 | \$94,837 | |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

| <u>Agency</u> | <u>WAS</u> | <u>VRanger - Data Domain</u> | <u>Remote Server Support</u> |
|--------------------------------------|------------------|----------------------------------|----------------------------------|
| Senate | \$ 0 | \$ 0 | \$ 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 0 | 0 | 0 |
| Secretary of State | 0 | 0 | 0 |
| Auditor | 0 | 0 | 0 |
| Treasurer | 0 | 0 | 0 |
| Attorney General | 0 | 0 | 0 |
| OA/ITSD Systems & Programming | 0 | 0 | 0 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 0 | 0 | 0 |
| OA/Accounting | 49,221 | 0 | 0 |
| OA/Budget and Planning | 0 | 0 | 0 |
| OA/ITSD Production | 0 | 0 | 17,706 |
| OA/Design and Construction | 0 | 0 | 0 |
| OA/Personnel | 0 | 0 | 0 |
| OA/Purchasing | 0 | 0 | 0 |
| OA/General Services | 0 | 0 | 0 |
| OA/Facilities Management | 0 | 0 | 7,243 |
| OA/Administrative Hearing Commission | 0 | 0 | 0 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 0 | 0 | 0 |
| Dept of Insurance | 0 | 0 | 7,243 |
| Dept of Conservation | 0 | 0 | 0 |
| Dept of Economic Development | 0 | 0 | 805 |
| Dept of Elementary & Secondary ED | 0 | 0 | 31,388 |
| Dept of Higher Education | 53,158 | 0 | 0 |
| Dept of Health & SS | 0 | 0 | 15,291 |
| Dept of Transportation | 0 | 0 | 0 |
| Dept of Labor & Industrial Relation | 66,940 | 0 | 12,072 |
| Dept of Mental Health | 0 | 0 | 115,892 |
| Dept of Natural Resources | 55,127 | 0 | 19,315 |
| Dept of Public Safety | 0 | 0 | 16,096 |
| Missouri State Highway Patrol | 0 | 0 | 0 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 53,158 | 0 | 4,829 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 0 | 0 | 0 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 0 | 0 | 154,523 |
| Dept of Corrections | 53,158 | 0 | 78,871 |
| Others | 0 | 0 | 0 |
| Agency Total : | \$330,763 | \$0 | \$481,275 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

| <u>Agency</u> | <u>VDI</u> | <u>SQL Base</u> | <u>SQL Memory</u> |
|--------------------------------------|------------------|--------------------|-------------------|
| Senate | \$ 0 | \$ 0 | \$ 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 0 | 0 | 0 |
| Secretary of State | 340 | 0 | 0 |
| Auditor | 0 | 0 | 0 |
| Treasurer | 0 | 0 | 0 |
| Attorney General | 0 | 0 | 0 |
| OA/ITSD Systems & Programming | 87,116 | 22,410 | 1,529 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 3,402 | 283 | 18 |
| OA/Accounting | 3,402 | 0 | 0 |
| OA/Budget and Planning | 2,381 | 142 | 12 |
| OA/ITSD Production | 23,581 | 287,421 | 19,595 |
| OA/Design and Construction | 0 | 425 | 30 |
| OA/Personnel | 3,083 | 2,805 | 193 |
| OA/Purchasing | 0 | 425 | 30 |
| OA/General Services | 10,929 | 6,063 | 415 |
| OA/Facilities Management | 2,743 | 23,402 | 1,595 |
| OA/Administrative Hearing Commission | 0 | 850 | 54 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 3,423 | 18,784 | 1,282 |
| Dept of Insurance | 53,307 | 14,591 | 993 |
| Dept of Conservation | 0 | 283 | 18 |
| Dept of Economic Development | 28,706 | 18,699 | 1,276 |
| Dept of Elementary & Secondary ED | 24,942 | 86,212 | 5,875 |
| Dept of Higher Education | 1,361 | 5,553 | 379 |
| Dept of Health & SS | 63,216 | 88,365 | 6,026 |
| Dept of Transportation | 0 | 0 | 0 |
| Dept of Labor & Industrial Relation | 33,830 | 7,111 | 488 |
| Dept of Mental Health | 12,630 | 384,512 | 26,217 |
| Dept of Natural Resources | 58,092 | 9,038 | 614 |
| Dept of Public Safety | 16,054 | 21,277 | 1,451 |
| Missouri State Highway Patrol | 0 | 0 | 0 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 43,739 | 80,008 | 5,454 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 2,743 | 567 | 42 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 150,332 | 26,518 | 1,806 |
| Dept of Corrections | 8,548 | 2,578 | 175 |
| Others | 0 | 0 | 0 |
| Agency Total : | \$637,901 | \$1,108,320 | \$75,567 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

| <u>Agency</u> | <u>SQL Overage</u> | <u>SQL Licenase</u> | <u>TFS</u> |
|--------------------------------------|--------------------|---------------------|-----------------|
| Senate | \$ 0 | \$ 0 | \$ 0 |
| House of Representatives | 0 | 0 | 0 |
| Legislative Research | 0 | 0 | 0 |
| State Courts Administrator | 0 | 0 | 0 |
| Secretary of State | 0 | 0 | 0 |
| Auditor | 0 | 0 | 0 |
| Treasurer | 0 | 0 | 0 |
| Attorney General | 0 | 0 | 0 |
| OA/ITSD Systems & Programming | 15,273 | 11,744 | 0 |
| OA/Missouri Ethics Commission | 0 | 0 | 0 |
| OA/Depty Commissioner | 196 | 129 | 0 |
| OA/Accounting | 0 | 0 | 7,331 |
| OA/Budget and Planning | 98 | 129 | 0 |
| OA/ITSD Production | 195,976 | 150,226 | 863 |
| OA/Design and Construction | 292 | 258 | 0 |
| OA/Personnel | 1,908 | 1,420 | 0 |
| OA/Purchasing | 292 | 258 | 0 |
| OA/General Services | 4,134 | 3,226 | 0 |
| OA/Facilities Management | 15,949 | 12,261 | 0 |
| OA/Administrative Hearing Commission | 571 | 387 | 0 |
| OA/OIT | 0 | 0 | 0 |
| Dept of Agriculture | 12,807 | 9,809 | 2,156 |
| Dept of Insurance | 9,949 | 7,615 | 2,156 |
| Dept of Conservation | 196 | 129 | 0 |
| Dept of Economic Development | 12,745 | 9,809 | 7,763 |
| Dept of Elementary & Secondary ED | 58,782 | 45,042 | 7,763 |
| Dept of Higher Education | 3,795 | 2,968 | 0 |
| Dept of Health & SS | 60,255 | 46,203 | 0 |
| Dept of Transportation | 0 | 0 | 0 |
| Dept of Labor & Industrial Relation | 4,851 | 3,743 | 7,331 |
| Dept of Mental Health | 262,161 | 200,946 | 6,469 |
| Dept of Natural Resources | 6,158 | 4,775 | 2,156 |
| Dept of Public Safety | 14,506 | 11,099 | 0 |
| Missouri State Highway Patrol | 0 | 0 | 0 |
| Kansas City Police Dept | 0 | 0 | 0 |
| ReJIS | 0 | 0 | 0 |
| Dept of Revenue | 54,550 | 41,815 | 6,469 |
| Lottery Commission | 0 | 0 | 0 |
| State Tax Commission | 392 | 258 | 0 |
| Highway Reciprocity Commission | 0 | 0 | 0 |
| Dept of Social Services | 18,082 | 13,809 | 6,469 |
| Dept of Corrections | 1,753 | 1,291 | 0 |
| Others | 0 | 0 | 0 |
| Agency Total : | \$755,671 | \$579,350 | \$56,925 |

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Cost Estimates by Customer

State Data Center

| <u>Agency</u> | <u>Enterprise Fax Services</u> | <u>Estimated Billing</u> |
|--------------------------------------|------------------------------------|--------------------------|
| Senate | \$ 0 | \$ 909 |
| House of Representatives | 0 | 1,073 |
| Legislative Research | 0 | 47 |
| State Courts Administrator | 0 | 8,011 |
| Secretary of State | 0 | 5,101 |
| Auditor | 0 | 28,975 |
| Treasurer | 0 | 41,477 |
| Attorney General | 0 | 3,900 |
| OA/ITSD Systems & Programming | 0 | 405,629 |
| OA/Missouri Ethics Commission | 0 | 1,796 |
| OA/Depty Commissioner | 0 | 7,981 |
| OA/Accounting | 0 | 97,865 |
| OA/Budget and Planning | 0 | 8,577 |
| OA/ITSD Production | 16 | 1,553,365 |
| OA/Design and Construction | 0 | 1,883 |
| OA/Personnel | 0 | 42,566 |
| OA/Purchasing | 0 | 9,562 |
| OA/General Services | 0 | 44,798 |
| OA/Facilities Management | 0 | 140,146 |
| OA/Administrative Hearing Commission | 0 | 10,253 |
| OA/OIT | 7,438 | 98,240 |
| Dept of Agriculture | 32 | 111,445 |
| Dept of Insurance | 18 | 210,068 |
| Dept of Conservation | 0 | 6,044 |
| Dept of Economic Development | 0 | 274,621 |
| Dept of Elementary & Secondary ED | 86 | 552,545 |
| Dept of Higher Education | 0 | 132,755 |
| Dept of Health & SS | 1,122 | 984,873 |
| Dept of Transportation | 10,697 | 49,131 |
| Dept of Labor & Industrial Relation | 64,578 | 1,351,194 |
| Dept of Mental Health | 137 | 2,277,803 |
| Dept of Natural Resources | 0 | 701,337 |
| Dept of Public Safety | 152 | 219,423 |
| Missouri State Highway Patrol | 0 | 950,678 |
| Kansas City Police Dept | 0 | 0 |
| ReJIS | 0 | 181,437 |
| Dept of Revenue | 18,515 | 4,747,247 |
| Lottery Commission | 0 | 556 |
| State Tax Commission | 0 | 4,089 |
| Highway Reciprocity Commission | 0 | 69 |
| Dept of Social Services | 1 | 11,312,278 |
| Dept of Corrections | 0 | 963,093 |
| Others | 0 | 18,075 |
| Agency Total : | \$102,792 | \$27,560,914 |

Rate Comparison (G)

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**Comparison of Fiscal Year Billing Rates
State Data Center**

| <u>Category</u> | <u>FY14</u> | <u>FY13</u> | <u>FY12</u> | <u>FY11</u> | <u>FY10</u> |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| AD & Exchange Mailboxes (Monthly Rate) | 4.36557 | 5.07448 | 4.36337 | 4.02566 | 2.45987 |
| AD User ID (Monthly Rate) | 0.76449 | 0.78539 | 0.74021 | 1.01424 | 0.63685 |
| All Fusion CPU Service Units | 0.02492 | 0.01635 | 0.02847 | 0.00875 | 0.01182 |
| CICS Transactions | 0.00083 | 0.00101 | 0.00087 | 0.00073 | 0.00088 |
| CPU Service Units/1000 | 0.00732 | 0.00688 | 0.00944 | 0.00924 | 0.00955 |
| DistSys Backup-Recovery/GB Day | 0.00206 | 0.00390 | 0.00305 | 0.00328 | 0.00204 |
| Enterprise Fax Services | 0.03109 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Laser Feet Printed | 0.03184 | 0.03039 | 0.03098 | 0.03153 | 0.04356 |
| Laser Feet Printed/Duplex | 0.02547 | 0.02431 | 0.02479 | 0.02522 | 0.03485 |
| Lines (Impact) Printed/1000 | 0.37973 | 0.36249 | 0.36956 | 0.37603 | 0.51960 |
| Physical Server Support | 117.95652 | 91.28603 | 29.82952 | 52.21829 | 54.28303 |
| Remote Server Support | 67.06737 | 144.89986 | 0.00000 | 0.00000 | 0.00000 |
| SAN | 0.17241 | 0.15992 | 0.09361 | 0.26777 | 0.32114 |
| SQL Base | 28.33129 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SQL License | 129.05990 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SQL Memory | 6.01986 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SQL Overage | 1.58070 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| TFS | 431.25335 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| VDI | 21.26336 | 24.25646 | 0.00000 | 0.00000 | 0.00000 |
| VM | 99.75165 | 60.12272 | 53.36238 | 57.01808 | 46.97878 |
| Vranger - Data Domain | 0.00000 | 0.00121 | 0.39358 | 0.01303 | 0.00000 |
| WAS | 1,968.82780 | 614.75440 | 464.35951 | 304.48994 | 0.00000 |
| zOS Data Storage/GB Day | 0.12814 | 0.13397 | 0.09566 | 0.08961 | 0.13896 |
| zOS DB2 Service Units/1000 | 0.00214 | 0.00182 | 0.00216 | 0.00177 | 0.00171 |
| zOS Enterprise Data Backup/GB Day | 0.00621 | 0.00716 | 0.00867 | 0.01016 | 0.01143 |
| zOS IDMS | 0.00516 | 0.00517 | 0.00537 | 0.00424 | 0.00365 |

Cost Compare with Percentage of Change

| Num. | Category Description | 14 Percentage of change | FY14 | 13 Percentage of change | FY13 | 12 Percentage of change | FY12 | 11 Percentage of change | FY11 | 10 Percentage of change | FY10 |
|------|--|----------------------------|------------|----------------------------|-----------|----------------------------|-----------|----------------------------|---------|----------------------------|---------|
| 1 | Laser Feet Printed | 5% | 0.03184 | -2% | 0.03039 | -2% | 0.03098 | -28% | 0.03153 | 14% | 0.04356 |
| 1 | Lines (Impact) Printed/1000 | 5% | 0.37973 | -2% | 0.36249 | -2% | 0.36956 | -28% | 0.37603 | 14% | 0.51960 |
| 1 | Laser Feet Printed/Duplex | 5% | 0.02547 | -2% | 0.02431 | -2% | 0.02479 | -28% | 0.02522 | 14% | 0.03485 |
| 2 | CPU Service Units/1000 | 6% | 0.00732 | -27% | 0.00688 | 2% | 0.00944 | -3% | 0.00924 | 1% | 0.00955 |
| 3 | CICS Transactions | -18% | 0.00083 | 16% | 0.00101 | 19% | 0.00087 | -17% | 0.00073 | -2% | 0.00088 |
| 5 | zOS Enterprise Data Backup/GB Day | -13% | 0.00621 | -17% | 0.00716 | -15% | 0.00867 | -11% | 0.01016 | -58% | 0.01143 |
| 7 | AD User ID per Month | -3% | 0.76449 | 6% | 0.78539 | -27% | 0.74021 | 59% | 1.01424 | 4% | 0.63685 |
| 7 | AD & Exchange Mailbox per Month | -14% | 4.36557 | 16% | 5.07448 | 8% | 4.36337 | 64% | 4.02566 | 37% | 2.45987 |
| 8 | zOS Data Storage/GB Day | -4% | 0.12814 | 40% | 0.13397 | 7% | 0.09566 | -36% | 0.08961 | -29% | 0.13896 |
| 10 | zOS IDMS | 0% | 0.00516 | -4% | 0.00517 | 27% | 0.00537 | 16% | 0.00424 | 20% | 0.00365 |
| 11 | zOS DB2 Service Units/1000 | 18% | 0.00214 | -16% | 0.00182 | 22% | 0.00216 | 4% | 0.00177 | 6% | 0.00171 |
| 14 | All Fusion CPU Service Units/1000 | 52% | 0.02492 | -43% | 0.01635 | 225% | 0.02847 | -26% | 0.00875 | -26% | 0.01182 |
| 15 | VM per Image per Month | 66% | 99.75165 | 13% | 60.12272 | -6% | 53.36238 | 21% | 57.02 | -20% | 46.98 |
| 16 | SAN per 1GB per Month | 8% | 0.17241 | 71% | 0.15992 | -65% | 0.09361 | -17% | 0.27 | 4% | 0.32 |
| 17 | Physical Server Support /Month | 29% | 117.95652 | 206% | 91.28602 | -43% | 29.82952 | -4% | 52.22 | 19% | 54.28 |
| 19 | DistSys Backup-Recovery/GB Day | -47% | 0.00206 | 28% | 0.00390 | -7% | 0.00305 | 61% | 0.00328 | -1% | 0.00204 |
| 21 | WAS per Image per Month | 220% | 1968.82168 | 32% | 614.75439 | 53% | 464.35956 | 0% | 304.49 | | |
| 23 | SQL per Base Unit per Month | 0% | 28.33129 | 0% | 0.00000 | 0% | 0.00000 | 0% | 0 | | |
| 23 | SQL Memory per GB per Month | 0% | 6.01986 | 0% | 0.00000 | 0% | 0.00000 | 0% | 0 | | |
| 23 | SQL Overage per GB per Month | 0% | 1.58070 | 0% | 0.00000 | 0% | 0.00000 | 0% | 0 | | |
| 23 | SQL License per License per Month | 0% | 129.05990 | 0% | 0.00000 | 0% | 0.00000 | 0% | 0 | | |
| 25 | VRanger-Data Domain GB Day | 0% | 0.00000 | -100% | 0.00121 | 2920% | 0.39358 | 0% | 0.013 | | |
| 26 | Remote Server Support per Server per I | -54% | 67.06737 | 0% | 144.8999 | | | | | | |
| 27 | VDI per Virtual Desktop per Month | -12% | 21.26336 | 0% | 24.25646 | | | | | | |
| 31 | TFS | 0% | 431.25335 | | | | | | | | |
| 32 | Fax Services per Page | 0% | 0.03109 | | | | | | | | |